

PLUMBING SYMBOL LEGEND

(NOTE: NOT ALL SYMBOLS ARE USED IN THIS PROJECT)

SYMBOL	DESCRIPTION
	90° ELBOW
	45° ELBOW
	BRANCH CONNECTION OUT OF SIDE
	BRANCH CONNECTION OUT OF TWO SIDES
	RISER DOWN (ELBOW)
	RISER UP (ELBOW)
	BRANCH CONNECTION OUT OF BOTTOM
	BRANCH CONNECTION OUT OF BOTTOM TO 90° ELBOW
	BRANCH CONNECTION OUT OF TOP TO 90° ELBOW
	RISER DOWN TO 90° ELBOW
	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	CIRCUIT SETTER
	GAS COCK
	GATE VALVE
	GLOBE VALVE
	PLUG VALVE
	PRESSURE REDUCING VALVE
	SOLENOID VALVE
	2-WAY MOTORIZED VALVE
	3-WAY MOTORIZED VALVE
	3-WAY VALVE
	ANGLE VALVE
	SWING CHECK VALVE
	UNION
	FLOW - IN DIRECTION OF ARROW
	CONCENTRIC REDUCER
	REDUCED PRESSURE ZONE BACKFLOW ASSEMBLY (RPZ)
	STRAINER-WYE
	STRAINER-WYE WITH BLOW OFF
	CAP ON END OF PIPE
	FLOOR CLEANOUT (SAME SIZE AS PIPE)
	CLEANOUT TO GRADE (SAME SIZE AS CARRIER PIPE)
	DOUBLE CLEANOUT TO GRADE (SAME SIZE AS CARRIER PIPE)
	WALL CLEANOUT
	CLEANOUT PLUG
	SHORT SWEEP BEND
	LONG SWEEP BEND
	VENT TEE
	SANITARY TEE
	WYE
	DOUBLE WYE
	DOUBLE SANITARY TEE
	WYE W/8TH BEND
	DBL. COMBINATION WYE W/8TH BEND
	1/8TH BEND

PLUMBING SYMBOL LEGEND

(NOTE: NOT ALL SYMBOLS ARE USED IN THIS PROJECT)

SYMBOL	DESCRIPTION
	PIPE ANCHOR
	FLEXIBLE CONNECTOR (FLEX. CONN.)
	WATER HAMMER ARRESTOR
	PRESSURE GAUGE
	THERMOMETER
	VALVE IN CAST IRON BOX
	NATURAL GAS CONNECTION
	COMPRESSED AIR CONNECTION
	AIR ADMITTANCE VALVE (MAXI STUDOR VENT)
	NEW PLUMBING FIXTURE
	EXISTING PLUMBING FIXTURE
	DEMOLISHED PLUMBING FIXTURE
	TANKLESS DOMESTIC WTR. HEATER
	DOMESTIC WATER HEATER
	WASHING MACHINE BOX
	WATER CONNECTION BOX
	WALL HYDRANT AND HOSE BIBB
	NATURAL GAS METER W/ REGULATOR
	NATURAL GAS REGULATOR
	WATER METER
	PRIMARY ROOF DRAIN (AS SHOWN ON ROOF PLAN)
	AUXILIARY ROOF DRAIN (AS SHOWN ON ROOF PLAN)
	PRIMARY ROOF DRAIN (AS SHOWN FROM BELOW)
	AUXILIARY ROOF DRAIN (AS SHOWN FROM BELOW)
	AUXILIARY OVERFLOW SCUPPER
	FLOOR DRAIN (ROUND AND SQUARE)
	HUB DRAIN
	FLOOR SINK (FULL GRATE, 1/2 GRATE AND 3/4 GRATE)
	TRENCH DRAIN
	SUMP PUMP
	FIXTURE TAG
	KEYED NOTE
	CONNECT TO EXISTING
	POINT OF DEMOLITION
	REVISION TAG
	PLUMBING RISER TAG
	EXISTING PIPE TO REMAIN
	DEMOLISHED PIPE
	NEW PIPE

PLUMBING SYSTEM LEGEND

(NOTE: NOT ALL SYSTEMS ARE USED IN THIS PROJECT)

SYMBOL	DESCRIPTION
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
	DOMESTIC HOT WATER SUPPLY (140°F)
	DOMESTIC HOT WATER RETURN (140°F)
	DOMESTIC HOT WATER SUPPLY (160°F)
	DOMESTIC HOT WATER RETURN (160°F)
	SOFT WATER
	DE-IONIZED WATER
	DISTILLED WATER
	REVERSE OSMOSIS WATER
	NON-POTABLE WATER
	SANITARY SEWER
	VENT
	COMBINATION WASTE AND VENT
	GREASE WASTE
	ACID WASTE
	ACID VENT
	PUMP DISCHARGE
	STORM DRAIN
	AUXILIARY STORM DRAIN
	OIL WASTE
	CONDENSATE DRAIN
	NATURAL GAS - 7"WC - 11"WC
	NATURAL GAS - 2 PSI
	NATURAL GAS - 5 PSI
	LIQUID PETROLEUM GAS - LOW PRESSURE
	LIQUID PETROLEUM GAS - HIGH PRESSURE
	CARBON DIOXIDE
	MEDICAL AIR
	LAB AIR
	NITROGEN
	NITROUS OXIDE
	OXYGEN
	LIQUID OXYGEN
	MEDICAL VACUUM
	LAB VACUUM
	WASTE ANESTHESIA GAS
	EXISTING MEDICAL AIR
	EXISTING MEDICAL VACUUM
	EXISTING NITROGEN
	EXISTING NITROUS OXIDE
	EXISTING OXYGEN
	EXISTING LABORATORY VACUUM
	EXISTING LABORATORY AIR
	EXISTING NATURAL GAS

PARTITION LEGEND

	EXISTING UNRATED PARTITION
	EXISTING PARTITION TO BE REMOVED
	NEW UNRATED PARTITION
	NEW LEAD SHIELDED PARTITION
	NEW / EXISTING SMOKE BARRIER
	NEW / EXISTING 1 HOUR BARRIER / SMOKE BARRIER SEE PLAN FOR LOCATIONS
	NEW / EXISTING 2 HOUR BARRIER / SMOKE BARRIER SEE PLAN FOR LOCATIONS

SEISMIC NOTES

SEISMIC (REFERENCE: ASCE 7-10)	
SEISMIC IMPORTANCE FACTOR	I _s = 1.5
SPECTRAL RESPONSE COEFFICIENTS	S _s = 0.488 S ₁ = 0.160 C =
SITE CLASS	
ADJUSTED MCE SPECTRAL RESPONSE	S _{ms} = 0.586
DESIGN SPECTRAL RESPONSE ACCELERATION	S _{m1} = 0.202 S _{D5} = 0.390 S _{D1} = 0.194
SEISMIC DESIGN CATEGORY	D
BASIC SEISMIC FORCE RESISTING SYSTEM	STEEL SPECIAL MOMENT FRAMES
DESIGN BASE SHEAR	V = 0.167W
SEISMIC RESPONSE COEFFICIENT	C _s = 0.167
RESPONSE MODIFICATION FACTOR	R = 3.5
ANALYSIS PROCEDURE	EQUIVALENT STATIC FORCE

PLUMBING DEMOLITION / RENOVATION NOTES

- IN THESE GENERAL NOTES, "PLUMBING" SHALL REFER TO, BUT NOT BE LIMITED TO SYSTEMS, COMPONENTS AND EQUIPMENT FOR HOT WATER, HOT WATER RETURN, COLD WATER, SEWER, SEWER VENTS, STORM SEWER, CONDENSATE WASTE, MEDICAL GAS, MEDICAL GAS OUTLETS, MEDICAL GAS EQUIPMENT, ISOLATION VALVES, BALANCING VALVE, REGULATORS, EQUIPMENT AND PIPING, ETC.
- CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO:
 - * PIPE SYSTEMS, SIZES AND LOCATIONS.
 - * VALVE LOCATIONS.
 - * EQUIPMENT CONDITIONS, CONNECTIONS AND LOCATIONS.
 - * BALANCING VALVES.
 - * HAMMER ARRESTORS.
- ALL EXISTING PLUMBING EQUIPMENT AND PIPING ADJACENT TO AND/OR IN AREAS OF DEMOLITION SHALL BE PROPERLY IDENTIFIED FOR LOCATION, SIZE, CONDITION AND SYSTEM(S) OPERATION. ALL SYSTEMS SHALL BE COMPARED TO THE PLUMBING DRAWINGS AND EXISTING RECORD DRAWINGS (EXISTING RECORD DRAWINGS SHALL BE REQUESTED FROM GOVERNMENT) AND DOCUMENT ALL VARIATIONS. AFTER THE EXISTING SYSTEMS ARE INVESTIGATED AND DOCUMENTED, THE CONTRACTOR SHALL CAP AND/OR REMOVE ALL PLUMBING EQUIPMENT AND PIPING BACK TO POINT OF DEMOLITION BOUNDARY AS NOTED ON PLANS. DEMOLITION BOUNDARY AND PHASING SHALL BE COORDINATED WITH ARCHITECT AND VA PRIOR TO CONSTRUCTION. ALL BRANCHES AND DROPS NOT REMOVED SHALL BE CAPPED AND PREPARED FOR FUTURE RECONNECTION WHEN NEW EQUIPMENT AND/OR FIXTURES ARE INSTALLED, AS REQUIRED.
- COORDINATE AND SCHEDULE THE REMOVAL OF EXISTING PLUMBING AND SYSTEM SHUT-DOWNS WITH COR, ARCHITECT AND MAINTENANCE PERSONNEL PRIOR TO CONSTRUCTION.
- MAINTAIN EXISTING PLUMBING WITH PHASED DEMOLITION AND INSTALLATION OF NEW WORK, PROVIDING TEMPORARY SERVICES AS REQUIRED.
- EXISTING PLUMBING EQUIPMENT BEING REMOVED AND NOT RE-USED, SHALL REMAIN THE PROPERTY OF THE VA (AS APPROVED BY THE VA) AND SHALL BE DELIVERED UPON REMOVAL TO LOCATION DESIGNATED BY THE VA. ALL OTHER SYSTEM COMPONENTS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- UPON COMPLETION OF NEW ADDITION, NEW PLUMBING EQUIPMENT AND PIPING WILL BE INSTALLED AS SHOWN ON RENOVATED PLUMBING PLANS. RECONNECT ALL EXISTING BRANCHES AND EQUIPMENT TO NEW SYSTEM PIPING AS REQUIRED FOR OPERATION.
- REPLACE AND/OR PATCH TO MATCH EXISTING. ANY COMPONENTS OF THE EXISTING PLUMBING SYSTEMS TO FACILITATE ITS INSTALLATION WITHIN THE NEW RENOVATED AREAS. SUCH ITEMS MAY INCLUDE, BUT NOT BE LIMITED TO, FITTINGS, SUPPORTS, NEW MOUNTING SYSTEMS, NEW ACCESS DOORS, ETC.
- DAMAGED, OR INOPERABLE PLUMBING COMPONENTS INSPECTED PRIOR TO DEMOLITION AND DETERMINED NOT SUITABLE FOR REUSE, THAT WILL EFFECT THE INTEGRITY OF THE OPERATION OF THE PLUMBING SYSTEM, SHALL BE REPLACED WITH NEW OF LIKE, OR EQUAL QUALITY.
- PATCH ALL WALLS, FLOORS, ROOFS AND CEILINGS TO MATCH EXISTING OR NEW (IF APPLIED) FOR ALL OPENINGS CREATED BY DEMOLITION WORK OF EQUIPMENT AND PLUMBING SYSTEM PENETRATIONS.
- REFER TO HVAC PLANS FOR EXTENT OF WORK RELATING TO PLUMBING PIPING CONNECTING TO HVAC EQUIPMENT TO BE REMOVED OR RELOCATED.
- THE ADJACENT SPACES WILL CONTINUE TO OPERATE DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH OWNER TO ENSURE THAT PLUMBING CONSTRUCTION DOES NOT IMPACT HOURS OF OPERATION. SEE ARCHITECTURAL SHEET FOR ADDITIONAL NOTES AND INSTRUCTIONS.

ACCESSIBILITY REQUIREMENTS

THIS SECTION APPLIES TO ACCESSIBLE FIXTURES ONLY.

- WATER CLOSETS:** THE HEIGHT OF WATER CLOSETS SHALL BE 17"-19" MEASURED FROM THE TOP OF THE TOILET SEAT. SEATS SHALL NOT BE SPRUNG OR RETURN TO A LIFTED POSITION. THE WATER CLOSET SHALL BE LOCATED 18" FROM THE SIDE WALL TO THE CENTER OF THE BOWL. HAND OPERATED FLUSH CONTROLS SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS NO MORE THAN 29" ABOVE FINISHED FLOOR. SEE ARCHITECTURAL SHEETS FOR GRAB BAR LOCATIONS.
- URINALS:** THE URINALS SHALL BE WALL HUNG WITH AN ELONGATED RIM AT A MAXIMUM OF 17" ABOVE FINISHED FLOOR. HAND OPERATED FLUSH CONTROLS SHALL BE MOUNTED NO MORE THAN 44" ABOVE FINISHED FLOOR.
- LAVATORIES:** LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO MORE THAN 34" ABOVE FINISHED FLOOR. PROVIDE A CLEARANCE OF AT LEAST 29" ABOVE FINISHED FLOOR TO THE BOTTOM OF THE APRON. KNEE SPACE SHALL BE 8" FROM THE BOTTOM EDGE OF APRON TO THE LEADING EDGE OF THE BOTTOM OF BOWL. THE BOTTOM OF THE BOWL SHALL BE A MINIMUM OF 27" ABOVE FINISHED FLOOR. ALL WATER AND DRAIN PIPING UNDER LAVATORIES SHALL BE INSULATED WITH FOAM INSERT, COVERED WITH A 1/8" VINYL OUTER SHELL. ANGLE STOPS SHALL HAVE A FLIP TOP ACCESS.
- FAUCETS-SHOWER CONTROLS:** CONTROLS SHALL BE LEVER HANDLES OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 lbf.
- SINKS:** SINKS SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO MORE THAN 34" ABOVE FINISHED FLOOR. PROVIDE A CLEARANCE OF AT LEAST 27" HIGH, 30" WIDE, AND 19" DEEP. SINKS SHALL BE A MAXIMUM OF 6-1/2" DEEP. ALL WATER AND DRAIN PIPING UNDER SINKS SHALL BE PROVIDED WITH INSULATING FOAM INSERT, COVERED WITH A 1/8" VINYL OUTER SHELL. ANGLE STOPS SHALL HAVE A FLIP TOP ACCESS.

BEHAVIORAL HEALTHCARE

THIS SECTION APPLIES TO MENTAL HEALTH FIXTURES FIXTURES ONLY.

- WATER CLOSETS:** THE HEIGHT OF WATER CLOSETS SHALL BE 17"-19" MEASURED FROM THE TOP OF THE TOILET. VITREOUS CHINA AND/OR FABRICATED FROM HEAVY GAUGE, TYPE 304 STAINLESS STEEL WITH ALL-WELD CONSTRUCTION AND EXPOSED STAINLESS SURFACES POLISHED TO A SATIN FINISH. THE WATER CLOSET SHALL BE LOCATED 18" FROM THE SIDE WALL TO THE CENTER OF THE BOWL. PUSH BUTTON, RECESSED OPERATED FLUSH CONTROLS VALVE SHALL BE MOUNTED ON THE BACKSIDE OF THE TOILET AREAS NO MORE THAN 29" ABOVE FINISHED FLOOR, VANDAL RESISTANT.
- LAVATORIES:** LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO MORE THAN 34" ABOVE FINISHED FLOOR. VANDAL-RESISTANT TERRAZO SOLID SURFACE MATERIAL AND/OR FABRICATED FROM HEAVY GAUGE, TYPE 304 STAINLESS STEEL WITH ALL-WELD CONSTRUCTION AND EXPOSED STAINLESS SURFACES POLISHED TO A SATIN FINISH. PROVIDE A CLEARANCE OF AT LEAST 29" ABOVE FINISHED FLOOR TO THE BOTTOM OF THE APRON. KNEE SPACE SHALL BE 8" FROM THE BOTTOM EDGE OF APRON TO THE LEADING EDGE OF THE BOTTOM OF BOWL. THE BOTTOM OF THE BOWL SHALL BE A MINIMUM OF 27" ABOVE FINISHED FLOOR. ALL WATER AND DRAIN PIPING UNDER LAVATORIES. ANGLE STOPS SHALL BE ENCASED BEHIND ENCLOSED COVER. PUSHBUTTON OR INFRARED ACTUATION, VANDAL RESISTANT.

CONSTRUCTION DOCUMENTS SUBMISSION FULLY SPRINKLERED

Revisions: _____ Date _____	CONSULTANTS: CIVIL: CROMWELL 1011 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900 MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION: CROMWELL 1011 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900		ARCHITECT/ENGINEERS: BES DESIGN/BUILD, LLC 766 Middle St, Fairhope, AL 36532 Phone: 251.990.5778 Fax: 251.990.3716	Drawing Title PLUMBING LEGEND AND NOTES	Project Title EMERGENCY DEPARTMENT MENTAL HEALTH IMPROVEMENTS	Project Number CSI-112	CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM
				Approved: Project Director	Location LITTLE ROCK, ARKANSAS	Building Number 1	

PLUMBING ABBREVIATIONS

Table of plumbing abbreviations including terms like ABV ABOVE, A/E ARCHITECT / ENGINEER, and various unit and material abbreviations.

PLUMBING GENERAL NOTES

- 1. ALL PLUMBING SYSTEMS SHALL BE INSTALLED AS PER SPECIFICATIONS AND GOVERNING CODES.
2. ALL DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRIC RELATIONSHIPS OF EQUIPMENT AND SERVICES.
3. BY NECESSITY, THESE DRAWINGS REFLECT A SYSTEM DESIGNED AROUND SPECIFIC REFERENCE PRODUCTS...



CONSTRUCTION DOCUMENTS SUBMISSION FULLY SPRINKLERED

Project information block containing Consultant details (Cromwell), Architect/Engineer details (BES Design/Build), Drawing Title (Plumbing General Notes and Abbreviations), Project Title (Emergency Department Mental Health Improvements), and Location (Little Rock, Arkansas).

EXISTING SYSTEMS AND INFORMATION SHOWN ON THESE PLANS WERE DEVELOPED USING EXISTING AS-BUILT DRAWING, SHOWING PIPING LOCATIONS AND LIMITED SITE VERIFICATION. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SYSTEMS AND SITE CONDITIONS PRIOR TO CONSTRUCTION AND INCLUDE IN BASE BID. THIS INCLUDES; NATURAL GAS, MAIN DOMESTIC WATER, VENT, MEDICAL GAS, LABORATORY GAS, COMPRESSED AIR, SANITARY SEWER AND STORM DRAIN PIPING FOR LOCATIONS, SIZES, FLOW DIRECTION, INVERT ELEVATIONS AS IT PERTAINS TO THIS PROJECT. COORDINATE ALL NEW PIPE ROUTING WITH THAT OF OTHER TRADES PRIOR TO CONSTRUCTION.

KEYED DEMOLITION NOTES

- ① EXISTING CLEANOUTS (CO, FCO & WCO), SANITARY SEWER (ExSS), STORM DRAIN (ExSD), COLD WATER (ExCW), HOT WATER (ExHW) HOT WATER RETURN (ExHWR), NATURAL GAS (ExG) VENT (ExV), MEDICAL GAS (ExMA, ExMV & ExOX) AND LABORATORY GAS (ExLA & ExLV) PIPING TO REMAIN IN THIS AREA, UNLESS OTHERWISE INDICATED ON PLANS.
- ② EXISTING SANITARY SEWER (ExSS), STORM DRAIN (ExSD), COLD WATER (ExCW), HOT WATER (ExHW), HOT WATER RETURN (ExHWR), NATURAL GAS (ExG) VENT (ExV), MEDICAL (ExMA, ExMV & ExOX) AND LABORATORY GAS (ExLA & ExLV) PIPING TO BE REMOVED IN THIS AREA, UNLESS OTHERWISE INDICATED ON PLANS. CAP EXISTING SANITARY SEWER, STORM DRAIN, DOMESTIC WATER, VENT, MEDICAL AND LABORATORY GAS PIPING ABOVE CEILING AS NECESSARY.
- ③ EXISTING SANITARY SEWER (ExSS) AND VENT (ExV) PIPING TO BE REMOVED ABOVE CEILING UP TO THIS POINT AND CAPPED TEMPORARILY FOR FUTURE SS AND VENT PIPING CONNECTIONS.

GENERAL DEMOLITION NOTES

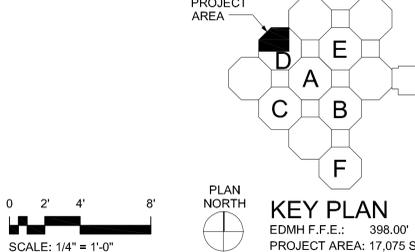
- 1. SEE SHEET PD101 FOR ADDITIONAL NOTES AND LEGEND.
- 2. THE CONTRACTOR SHALL PATCH TO MATCH EXISTING FLOORS, WALLS AND CEILING PENETRATIONS WHERE PLUMBING IS REMOVED.
- 3. DEMOLITION "X" S INDICATE ITEMS TO BE REMOVED.
- 4. THE CONTRACTOR SHALL RETURN ALL EXISTING PLUMBING FIXTURES (NOT SCHEDULED TO BE REUSED) TO OWNER.
- 5. CONTRACTOR SHALL REFERENCE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS AND/OR NOTES FOR COMPLETE DEMOLITION.
- 6. EXISTING GATE VALVES THAT IS A PART OF THE DEMOLITION, TO BE REMOVED AND REPLACED WITH NEW "LEAD FREE" BALL VALVES.

KEYED NOTES

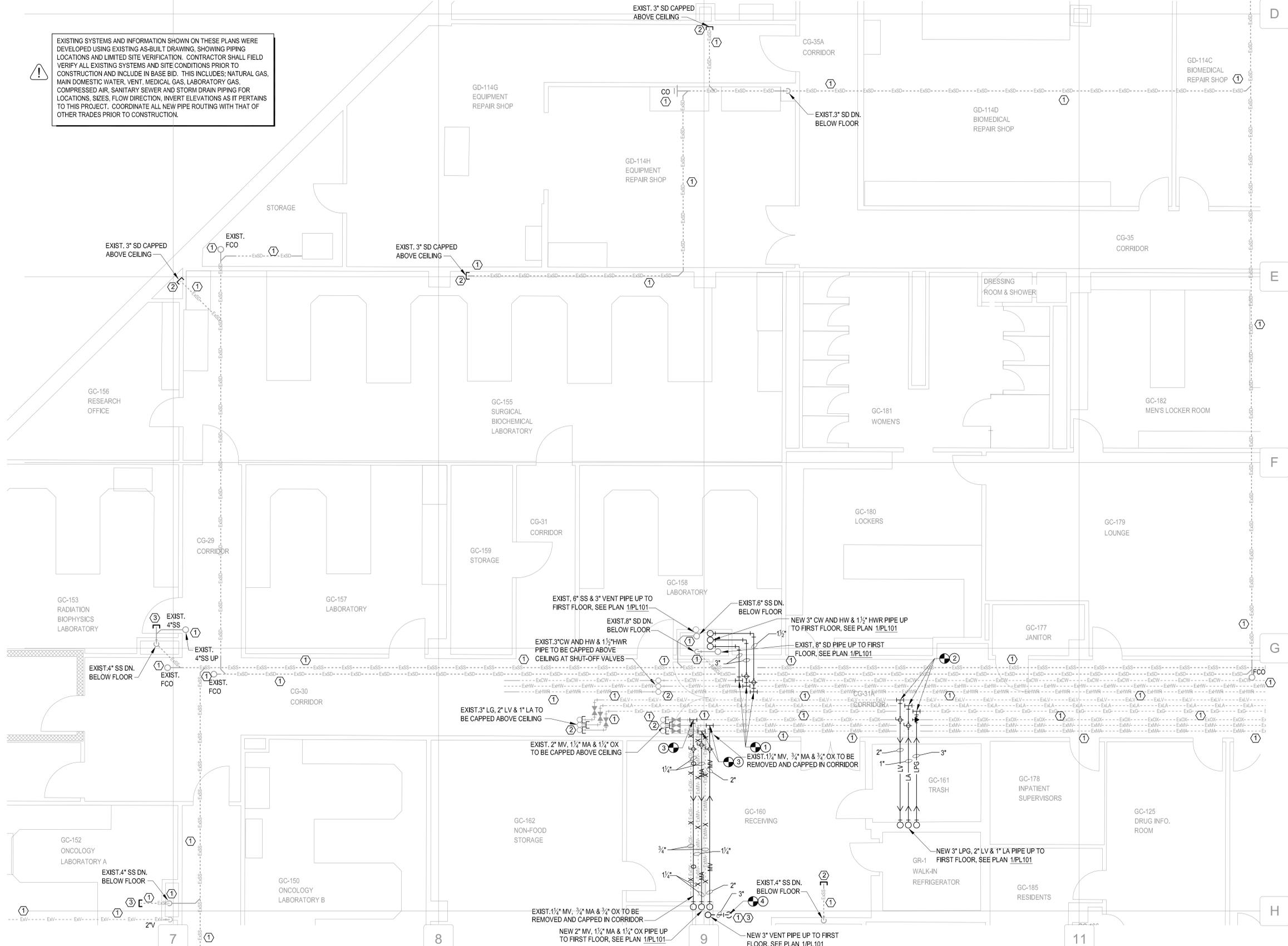
- ① CONNECT NEW 3" COLD WATER (CW), 3" HOT WATER (HW) & 1 1/2" HOT WATER RETURN PIPE TO EXISTING 4" EXCW, 3" EXHW AND 1 1/2" EXHWR PIPING ABOVE CEILING AT THIS POINT IN CORRIDOR. PROVIDE WITH NEW 4" X 4" X 3" TEE FITTING FOR CW PIPE, 3" X 3" X 3" TEE FITTING FOR HW PIPE AND 1 1/2" X 1 1/2" X 1 1/2" TEE FITTING FOR HWR PIPE AND ADD NEW BALL VALVES
- ② CONNECT NEW 3" NATURAL GAS (G), 2" LABORATORY VACUUM (LV) & 1" LABORATORY AIR (LA) PIPE TO EXISTING 3" EXG, 2" EXLV AND 1" EXLA PIPING ABOVE CEILING AT THIS POINT IN CORRIDOR. PROVIDE WITH NEW 3" X 3" X 3" TEE FITTING FOR G PIPE, 2" X 2" X 2" TEE FITTING FOR LV PIPE AND 1" X 1" X 1" TEE FITTING FOR LA PIPE AND ADD NEW BALL VALVE.
- ③ CONNECT NEW 2" MEDICAL VACUUM (MV), 1/2" MEDICAL AIR (MA) & 1/2" MEDICAL OXYGEN (O) PIPE TO EXISTING 2" EXMV, 1/2" EXMA AND 1/2" EXOX PIPING ABOVE CEILING AT THIS POINT IN CORRIDOR. PROVIDE WITH NEW 2" X 2" X 2" TEE FITTING FOR MV PIPE AND 1/2" X 1/2" X 1/2" TEE FITTINGS FOR MA AND O PIPING AND ADD LOCKABLE BALL VALVES.
- ④ CONNECT NEW 3" VENT PIPE TO EXISTING 3" VENT PIPING ABOVE CEILING AT THIS POINT WITH A NEW 3" X 3" 90° BEND FITTING AT VERTICAL DROP.

GENERAL NOTES

- 1. SEE SHEET PD101 FOR ADDITIONAL NOTES AND LEGEND.
- 2. THE CONTRACTOR SHALL INSTALL AND CONNECT NEW PLUMBING SERVICE (SANITARY SEWER, STORM DRAIN, VENT, DOMESTIC WATER, MEDICAL GAS AND LABORATORY GAS PIPING) TO EXISTING. THE CONTRACTOR SHALL PATCH TO MATCH EXISTING FLOORS, WALLS AND CEILING PENETRATIONS IMPACTED BY NEW CONSTRUCTION WORK.
- 3. NEW SANITARY SEWER, STORM DRAIN, VENT, DOMESTIC WATER, MEDICAL GAS AND LABORATORY GAS PIPING AT CEILING STRUCTURE SHALL BE COORDINATED WITH ALL EXISTING CONDITION AND OTHER TRADES IN THIS AREA, AND SHALL NOT BE ROUTED OVER ANY ELECTRICAL AND DATA ROOMS.
- 4. ALL DOMESTIC WATER PIPING SHALL BE INSULATED INSIDE OF BUILDING.
- 5. PROVIDE SHOCK ARRESTORS PER P.D.I. (PISTOL TYPE) AT EACH FIXTURE GROUP AND ISOLATED FIXTURES.
- 6. ALL FIXTURES SHALL BE VENTED PER ALL STATE AND LOCAL CODES AND JURISDICTIONS.



GROUND FLOOR PLUMBING DEMOLITION PLAN - EXISTING
1/4"=1'-0"



CONSULTANTS:

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LITTLE ROCK, AR 72201
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Drawing Title
GROUND FLOOR PLUMBING DEMOLITION PLAN - EXISTING

Approved: Project Director

Project Title
EMERGENCY DEPARTMENT MENTAL HEALTH IMPROVEMENTS

Location
LITTLE ROCK, ARKANSAS

Date
2015.03.06

Drawn
SMITH

Checked
SEAY

Project Number
CSI-112

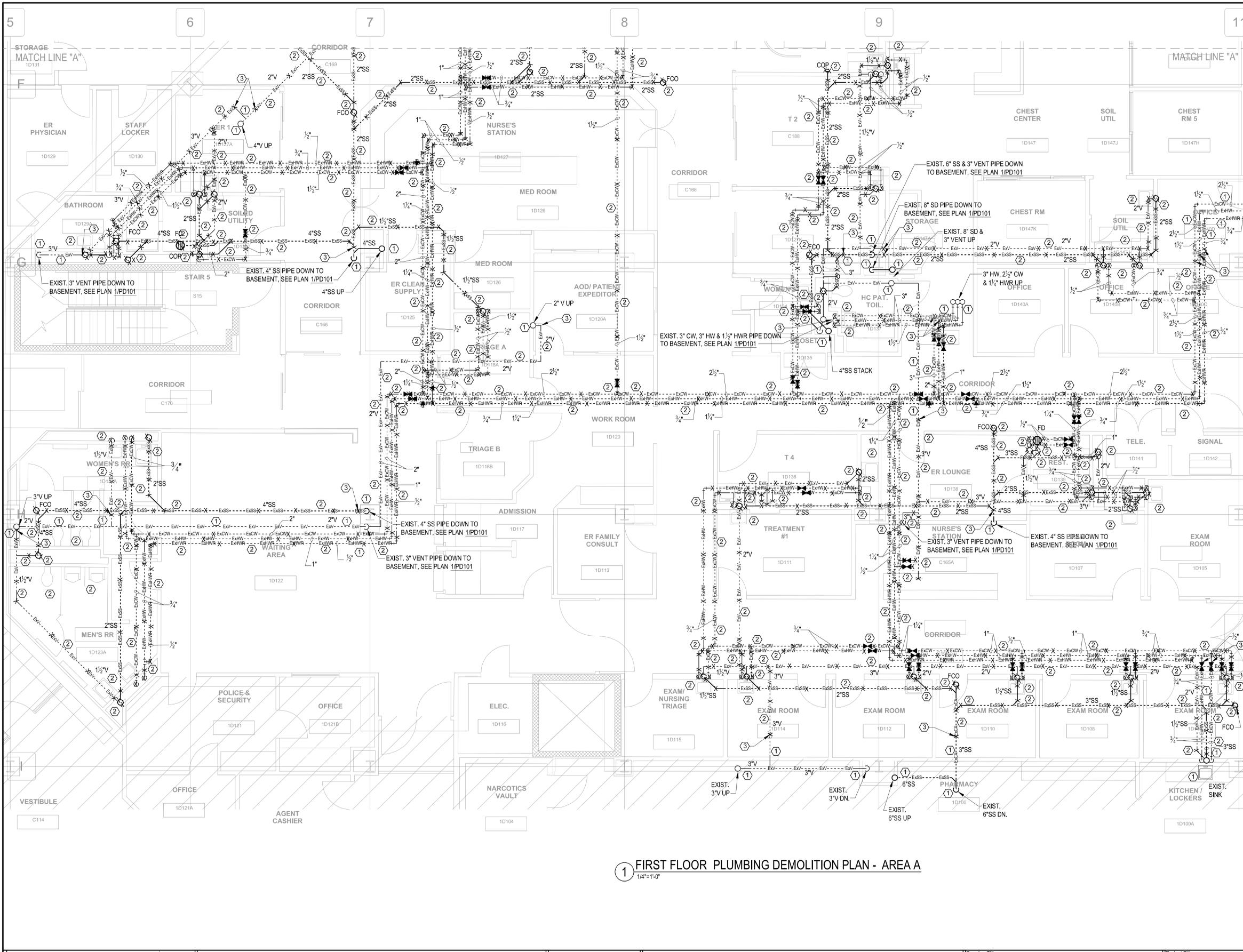
Building Number
1

Drawing Number
PD101

Dwg. 74 of 127

CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM





KEYED DEMOLITION NOTES

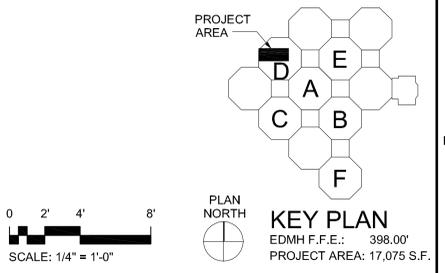
- ① EXISTING FLOOR DRAINS (FD), ROOF DRAIN (RD), CLEANOUTS (CO, FCO & WCO), PLUMBING FIXTURES, SANITARY SEWER (ExSS), STORM DRAIN (ExSD), COLD WATER (ExCW), HOT WATER (ExHW) HOT WATER RETURN (ExHWR) AND VENT (ExV) PIPING TO REMAIN IN THIS AREA, UNLESS OTHERWISE INDICATED ON PLANS.
- ② EXISTING FLOOR DRAINS (FD), ROOF DRAIN (RD), CLEANOUTS (CO, FCO, & WCO), PLUMBING FIXTURES, SANITARY SEWER (ExSS), STORM DRAIN (ExSD), COLD WATER (ExCW), HOT WATER (ExHW), HOT WATER RETURN (ExHWR) AND VENT (ExV) PIPING TO BE REMOVED ENTIRELY IN THIS AREA, UNLESS OTHERWISE INDICATED ON PLANS. CAP EXISTING SANITARY SEWER (ExSS), STORM DRAIN (ExSD), DOMESTIC WATER (ExCW, ExHW & ExHWR) AND VENT (ExV) PIPING ABOVE CEILING OR BELOW FLOOR AS NECESSARY.
- ③ EXISTING SANITARY SEWER (SS), STORM DRAIN (SD), COLD WATER (CW), HOT WATER (HW), HOT WATER RETURN (HWR) AND VENT PIPING TO BE REMOVED ABOVE CEILING OR BELOW FLOOR, UP TO THIS POINT AND CAPPED TEMPORARILY FOR FUTURE SS, SD, CW, HW, HWR AND VENT PIPING CONNECTIONS.

GENERAL DEMOLITION NOTES

- 1. SEE SHEET PD001 FOR ADDITIONAL NOTES AND LEGEND.
- 2. THE CONTRACTOR SHALL PATCH TO MATCH EXISTING FLOORS, WALLS AND CEILING PENETRATIONS WHERE PLUMBING IS REMOVED.
- 3. DEMOLITION "X" INDICATE ITEMS TO BE REMOVED.
- 4. THE CONTRACTOR SHALL RETURN ALL EXISTING PLUMBING FIXTURES (NOT SCHEDULED TO BE REUSED) TO OWNER.
- 5. CONTRACTOR SHALL REFERENCE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS AND/OR NOTES FOR COMPLETE DEMOLITION.
- 6. EXISTING GATE VALVES THAT IS A PART OF THE DEMOLITION, TO BE REMOVED AND REPLACED WITH NEW "LEAD FREE" BALL VALVES.

EXISTING SYSTEMS AND INFORMATION SHOWN ON THESE PLANS WERE DEVELOPED USING EXISTING AS-BUILT DRAWING, SHOWING PIPING LOCATIONS AND LIMITED SITE VERIFICATION. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SYSTEMS AND SITE CONDITIONS PRIOR TO CONSTRUCTION AND INCLUDE IN BASE BID. THIS INCLUDES: NATURAL GAS, MAIN DOMESTIC WATER, VENT, MEDICAL GAS, LABORATORY GAS, COMPRESSED AIR, SANITARY SEWER AND STORM DRAIN PIPING FOR LOCATIONS, SIZES, FLOW DIRECTION, INVERT ELEVATIONS AS IT PERTAINS TO THIS PROJECT. COORDINATE ALL NEW PIPE ROUTING WITH THAT OF OTHER TRADES PRIOR TO CONSTRUCTION.

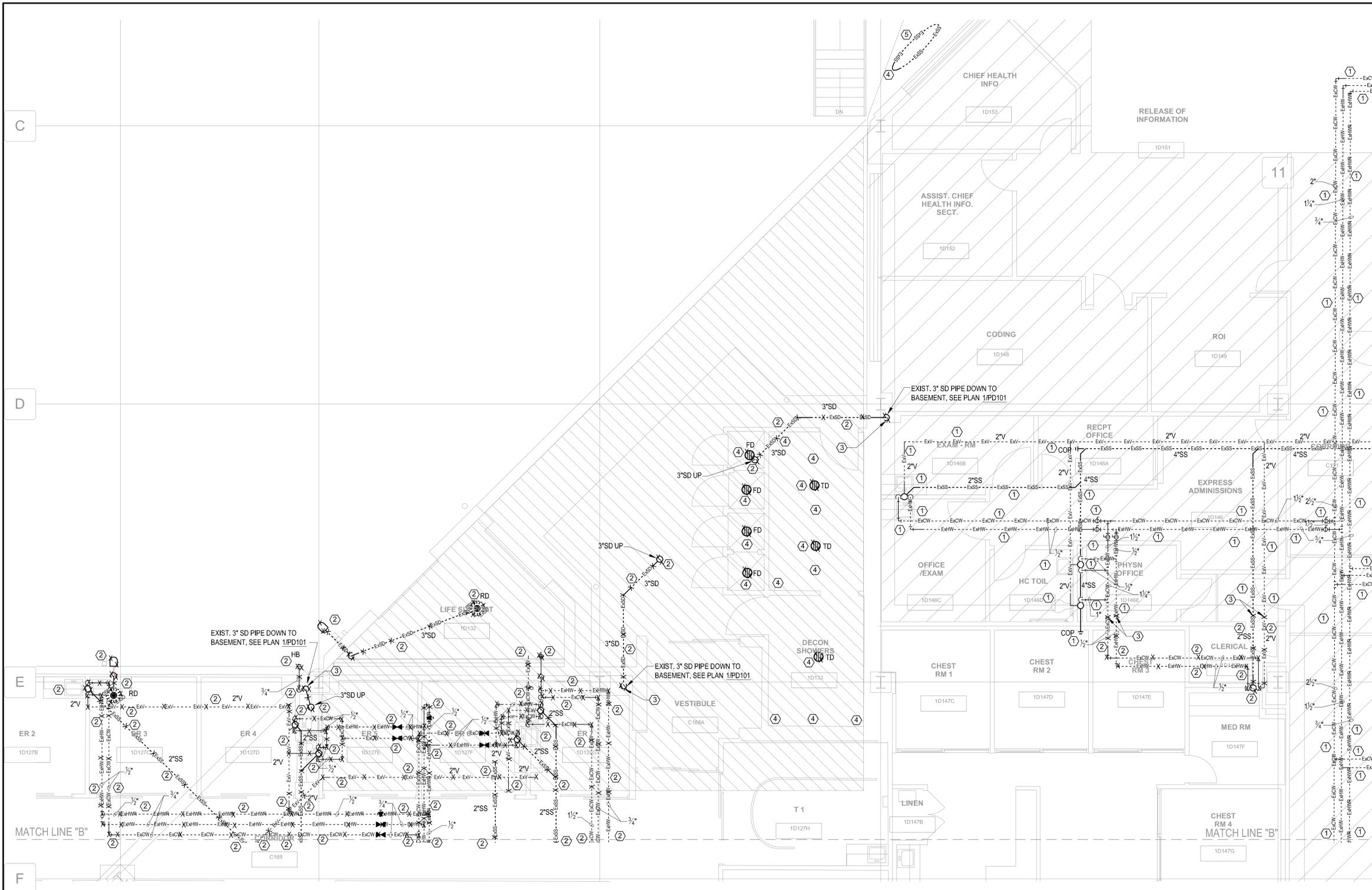
1 FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA A
1/4"=1'-0"



CONSTRUCTION DOCUMENTS SUBMISSION FULLY SPRINKLERED

CONSULTANTS: CIVIL: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900 Date: _____	MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900 Date: _____	ARCHITECT/ENGINEERS: BES DESIGN/BUILD, LLC 766 Middle St, Fairhope, AL 36532 Phone: 251.990.5778 Fax: 251.990.3716 Date: 08/06/2015	Drawing Title FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA A	Project Title EMERGENCY DEPARTMENT MENTAL HEALTH IMPROVEMENTS	Project Number CSI-112		
			Approved: Project Director	Location LITTLE ROCK, ARKANSAS	Building Number 1	Drawing Number PD102	Date 2015.03.06

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



KEYED DEMOLITION NOTES

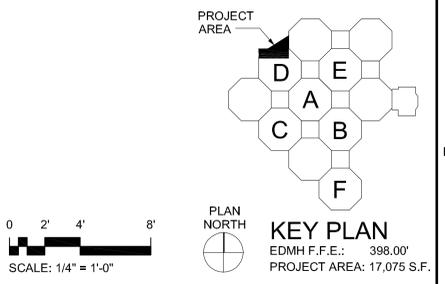
- EXISTING FLOOR DRAINS (FD), ROOF DRAIN (RD), CLEANOUTS (CO, FCO & WCO), PLUMBING FIXTURES, SANITARY SEWER (ExSS), STORM DRAIN (ExSD), COLD WATER WATER (ExCW), HOT WATER (ExHW) HOT WATER RETURN (ExHWR) AND VENT (ExV) PIPING TO REMAIN IN THIS AREA, UNLESS OTHERWISE INDICATED ON PLANS.
- EXISTING FLOOR DRAINS (FD), ROOF DRAIN (RD), CLEANOUTS (CO, FCO, & WCO), PLUMBING FIXTURES, SANITARY SEWER (ExSS), STORM DRAIN (ExSD), COLD WATER (ExCW), HOT WATER (ExHW), HOT WATER RETURN (ExHWR) AND VENT (ExV) PIPING TO BE REMOVED ENTIRELY IN THIS AREA, UNLESS OTHERWISE INDICATED ON PLANS. CAP EXISTING SANITARY SEWER (ExSS), STORM DRAIN (ExSD), DOMESTIC WATER (ExCW, ExHW & ExHWR) AND VENT (ExV) PIPING ABOVE CEILING OR BELOW FLOOR AS NECESSARY.
- EXISTING SANITARY SEWER (ExSS), STORM DRAIN (ExSD), COLD WATER (ExCW), HOT WATER (ExHW), HOT WATER RETURN (ExHWR) AND VENT (ExV) PIPING TO BE REMOVED ABOVE CEILING OR BELOW FLOOR. UP TO THIS POINT AND CAPPED TEMPORARILY FOR FUTURE SS, SD, CW, HW, HWR AND VENT PIPING CONNECTIONS.
- EXISTING FLOOR DRAINS (FD), TRENCH DRAINS (TD), SHOWER HEADS AND HOSES, MIXING VALVE, SANITARY SEWER (SS), VENT, COLD WATER (CW), HOT WATER (HW) PIPING IN DECONTAMINATION AREA TO BE REMOVED ENTIRELY. REMOVE EXISTING SS PIPING UP TO DECONTAMINATION STORAGE TANK AND CAPPED FOR FUTURE SS CONNECTION.
- EXISTING DECONTAMINATION STORAGE TANK TO REMAIN AND REUSED. REMOVE AND CAPPED 4" SANITARY SEWER (SS) PIPE INLET TEMPORARILY FOR FUTURE SS PIPING CONNECTION.

GENERAL DEMOLITION NOTES

- SEE SHEET PD001 FOR ADDITIONAL NOTES AND LEGEND.
- THE CONTRACTOR SHALL PATCH TO MATCH EXISTING FLOORS, WALLS AND CEILING PENETRATIONS WHERE PLUMBING IS REMOVED.
- DEMOLITION "X" INDICATE ITEMS TO BE REMOVED.
- THE CONTRACTOR SHALL RETURN ALL EXISTING PLUMBING FIXTURES (NOT SCHEDULED TO BE REUSED) TO OWNER.
- CONTRACTOR SHALL REFERENCE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS AND/OR NOTES FOR COMPLETE DEMOLITION.
- EXISTING GATE VALVES THAT IS A PART OF THE DEMOLITION, TO REMOVED AND REPLACED WITH NEW "LEAD FREE" BALL VALVES.

EXISTING SYSTEMS AND INFORMATION SHOWN ON THESE PLANS WERE DEVELOPED USING EXISTING AS-BUILT DRAWING, SHOWING PIPING LOCATIONS AND LIMITED SITE VERIFICATION. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SYSTEMS AND SITE CONDITIONS PRIOR TO CONSTRUCTION AND INCLUDE IN BASE BID. THIS INCLUDES: NATURAL GAS, MAIN DOMESTIC WATER, VENT, MEDICAL GAS, LABORATORY GAS, COMPRESSED AIR, SANITARY SEWER AND STORM DRAIN PIPING FOR LOCATIONS, SIZES, FLOW DIRECTION, INVERT ELEVATIONS AS IT PERTAINS TO THIS PROJECT. COORDINATE ALL NEW PIPE ROUTING WITH THAT OF OTHER TRADES PRIOR TO CONSTRUCTION.

1 FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA B
1/4"=1'-0"



CONSTRUCTION DOCUMENTS SUBMISSION FULLY SPRINKLERED

Revisions:	Date:	CONSULTANTS:			ARCHITECT/ENGINEERS:			Drawing Title FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA B	Project Title EMERGENCY DEPARTMENT MENTAL HEALTH IMPROVEMENTS	Project Number CSI-112	Building Number 1	Drawing Number PD103	Dwg. 76 of 127	CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM
		CIVIL: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900			MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900									

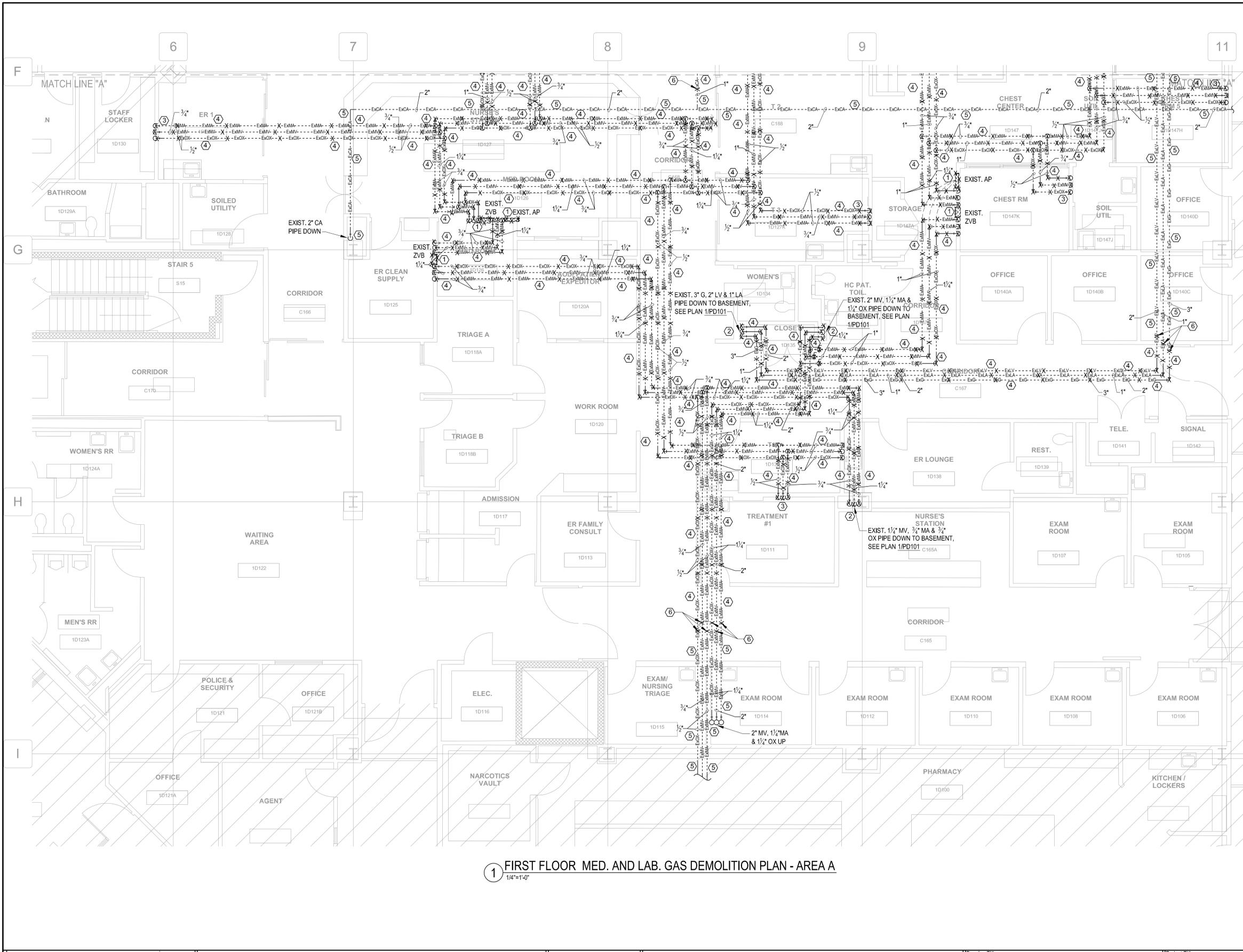
KEYED DEMOLITION NOTES

- 1 EXISTING ZONE VALVE BOXES (ZVB), LOCAL ALARM PANELS (AP) & WIRING AND MEDICAL GAS PIPING IN WALL TO BE REMOVED ENTIRELY IN THIS AREA.
- 2 EXISTING MEDICAL AIR (EXMA), MEDICAL VACUUM (EXMV), OXYGEN (EXO), LABORATORY AIR (EXLA), LABORATORY VACUUM (EXLV) & NATURAL GAS (EXG) PIPING ABOVE CEILING AND IN WALL TO BE REMOVED AND CAPPED BELOW FLOOR, UNLESS OTHERWISE INDICATED ON PLANS.
- 3 EXISTING MEDICAL GAS (EXMA, EXMV & EXOX) OUTLETS/HEADWALLS AND PIPING IN WALL TO BE REMOVED ENTIRELY IN THIS AREA.
- 4 EXISTING MEDICAL AIR (EXMA), MEDICAL VACUUM (EXMV), OXYGEN (EXO), LABORATORY AIR (EXLA), LABORATORY VACUUM (EXLV), NATURAL GAS (EXG) & COMPRESSED AIR (EXCA) PIPING ABOVE CEILING TO BE REMOVED ENTIRELY IN THIS AREA, UNLESS OTHERWISE INDICATED ON PLANS.
- 5 EXISTING MEDICAL AIR (EXMA), MEDICAL VACUUM (EXMV), OXYGEN (EXO), LABORATORY AIR (EXLA), LABORATORY VACUUM (EXLV), NATURAL GAS (EXG) & COMPRESSED AIR (EXCA) PIPING ABOVE CEILING TO REMAIN ENTIRELY IN THIS AREA, UNLESS OTHERWISE INDICATED ON PLANS.
- 6 EXISTING MEDICAL GAS (EXMA, EXMV & EXOX), LABORATORY GAS (EXLA & EXLV), NATURAL GAS (EXG) & COMPRESSED AIR (EXCA) PIPING ABOVE CEILING TO BE REMOVED UP TO THIS POINT AND CAPPED TEMPORARILY FOR FUTURE MEDICAL GAS, LABORATORY GAS, NATURAL GAS & COMPRESSED AIR PIPING CONNECTIONS, UNLESS OTHERWISE INDICATED ON PLANS.

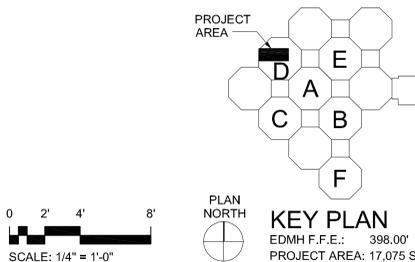
GENERAL DEMOLITION NOTES

- 1. SEE SHEET PD101 FOR ADDITIONAL NOTES AND LEGEND.
- 2. ALL MEDICAL GAS WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH NFPA 99 AND PROJECT SPECIFICATIONS.
- 3. DEMOLITION "X" INDICATE ITEMS TO BE REMOVED.
- 4. THE CONTRACTOR SHALL RETURN ALL EXISTING MEDICAL GAS EQUIPMENT (NOT SCHEDULE TO BE REUSED) TO OWNER.
- 5. CONTRACTOR SHALL REFERENCE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWING AND/OR NOTES FOR COMPLETE DEMOLITION.

EXISTING SYSTEMS AND INFORMATION SHOWN ON THESE PLANS WERE DEVELOPED USING EXISTING AS-BUILT DRAWING, SHOWING PIPING LOCATIONS AND LIMITED SITE VERIFICATION. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SYSTEMS AND SITE CONDITIONS PRIOR TO CONSTRUCTION AND INCLUDE IN BASE BID. THIS INCLUDES; NATURAL GAS, MAIN DOMESTIC WATER, VENT, MEDICAL GAS, LABORATORY GAS, COMPRESSED AIR, SANITARY SEWER AND STORM DRAIN PIPING FOR LOCATIONS, SIZES, FLOW DIRECTION, INVERT ELEVATIONS AS IT PERTAINS TO THIS PROJECT. COORDINATE ALL NEW PIPE ROUTING WITH THAT OF OTHER TRADES PRIOR TO CONSTRUCTION.



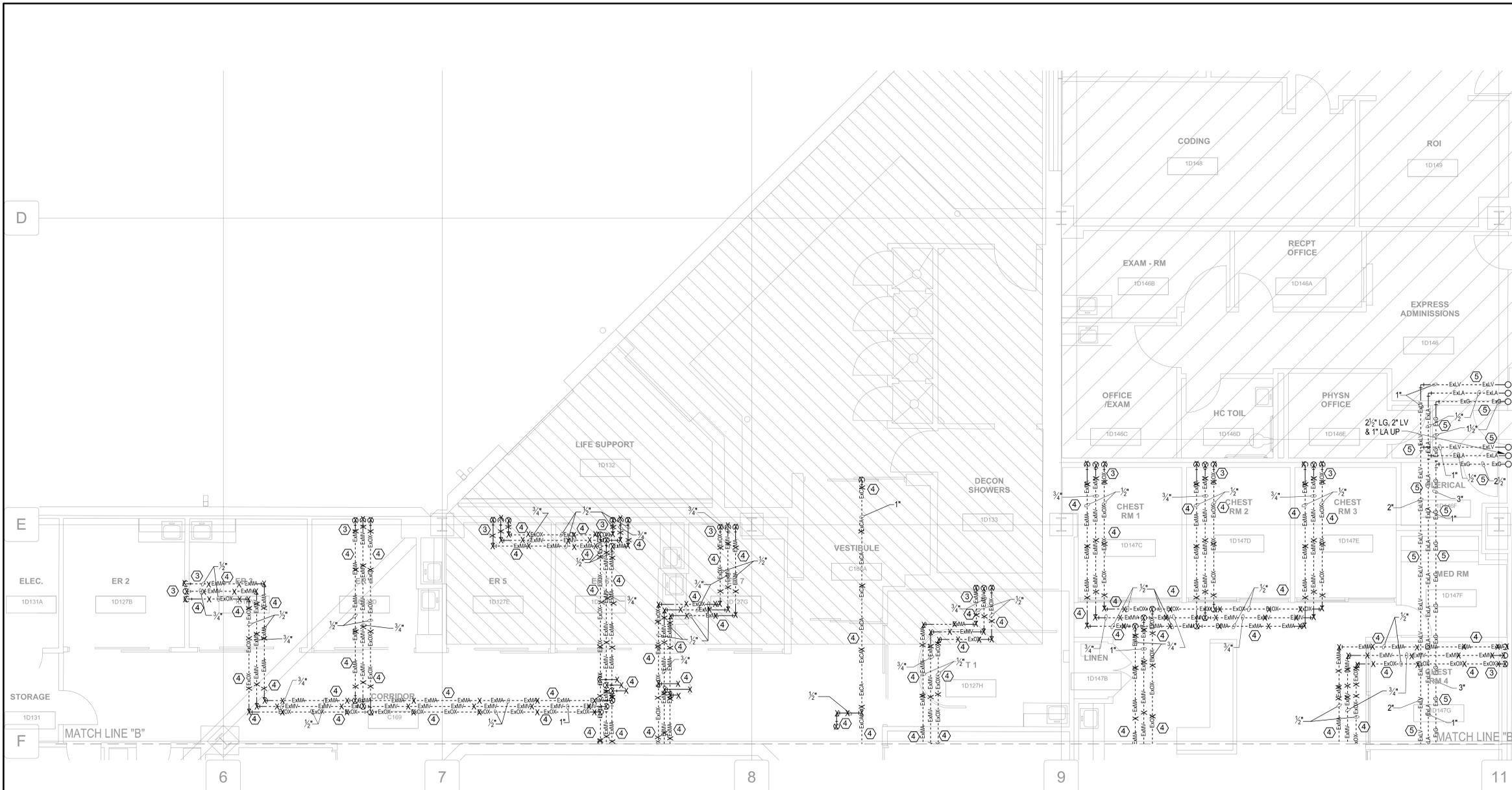
1 FIRST FLOOR MED. AND LAB. GAS DEMOLITION PLAN - AREA A
1/4"=1'-0"



CONSTRUCTION DOCUMENTS SUBMISSION FULLY SPRINKLERED

Revisions: Date:	CONSULTANTS: CIVIL: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900	MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900	ARCHITECT/ENGINEERS: BES DESIGN/BUILD, LLC 766 Middle St, Fairhope, AL 36532 Phone: 251.990.5778 Fax: 251.990.3716	Drawing Title FIRST FLOOR MED. AND LAB. GAS DEMOLITION PLAN - AREA A	Project Title EMERGENCY DEPARTMENT MENTAL HEALTH IMPROVEMENTS	Project Number CSI-112	Building Number 1	Location LITTLE ROCK, ARKANSAS	Drawing Number PD104	Date 2015.03.06	Drawn SMITH	Checked SEAY	Dwg. 77 of 127	CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM
	Date:	Date:	Date:	Approved: Project Director	Date:	Drawn:	Checked:	Dwg. 77 of 127	Date:	Drawn:	Checked:	Date:	Drawn:	Checked:

three inches = one foot
one and one half inches = one foot
one inch = one foot
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three eighths inch = one foot
one eighth inch = one foot



KEYED DEMOLITION NOTES

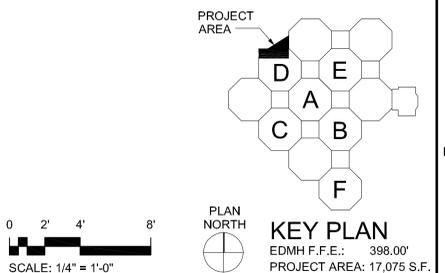
- ① EXISTING ZONE VALVE BOXES (ZVB), LOCAL ALARM PANELS (AP) & WIRING AND MEDICAL GAS PIPING IN WALL TO BE REMOVED ENTIRELY IN THIS AREA.
- ② EXISTING MEDICAL AIR (EXMA), MEDICAL VACUUM (EXMV), OXYGEN (EXO), LABORATORY AIR (EXLA), LABORATORY VACUUM (EXLV) & NATURAL GAS (EXG) PIPING ABOVE CEILING AND IN WALL TO BE REMOVED AND CAPPED BELOW FLOOR, UNLESS OTHERWISE INDICATED ON PLANS.
- ③ EXISTING MEDICAL GAS (EXMA, EXMV & EXOX) OUTLETS/HEADWALLS AND PIPING IN WALL TO BE REMOVED ENTIRELY IN THIS AREA.
- ④ EXISTING MEDICAL AIR (EXMA), MEDICAL VACUUM (EXMV), OXYGEN (EXO), LABORATORY AIR (EXLA), LABORATORY VACUUM (EXLV), NATURAL GAS (EXG) & COMPRESSED AIR (EXCA) PIPING ABOVE CEILING TO BE REMOVED ENTIRELY IN THIS AREA, UNLESS OTHERWISE INDICATED ON PLANS.
- ⑤ EXISTING MEDICAL AIR (EXMA), MEDICAL VACUUM (EXMV), OXYGEN (EXO), LABORATORY AIR (EXLA), LABORATORY VACUUM (EXLV), NATURAL GAS (EXG) & COMPRESSED AIR (EXCA) PIPING ABOVE CEILING TO REMAIN ENTIRELY IN THIS AREA, UNLESS OTHERWISE INDICATED ON PLANS.
- ⑥ EXISTING MEDICAL GAS (EXMA, EXMV & EXOX), LABORATORY GAS (EXLA & EXLV), NATURAL GAS (EXG) & COMPRESSED AIR (EXCA) PIPING ABOVE CEILING TO BE REMOVED UP TO THIS POINT AND CAPPED TEMPORARILY FOR FUTURE MEDICAL GAS, LABORATORY GAS, NATURAL GAS & COMPRESSED AIR PIPING CONNECTIONS, UNLESS OTHERWISE INDICATED ON PLANS.

GENERAL DEMOLITION NOTES

- 1. SEE SHEET PD101 FOR ADDITIONAL NOTES AND LEGEND.
- 2. ALL MEDICAL GAS WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH NFPA 99 AND PROJECT SPECIFICATIONS.
- 3. DEMOLITION "X"s INDICATE ITEMS TO BE REMOVED.
- 4. THE CONTRACTOR SHALL RETURN ALL EXISTING MEDICAL GAS EQUIPMENT (NOT SCHEDULE TO BE REUSED) TO OWNER.
- 5. CONTRACTOR SHALL REFERENCE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWING AND/OR NOTES FOR COMPLETE DEMOLITION.

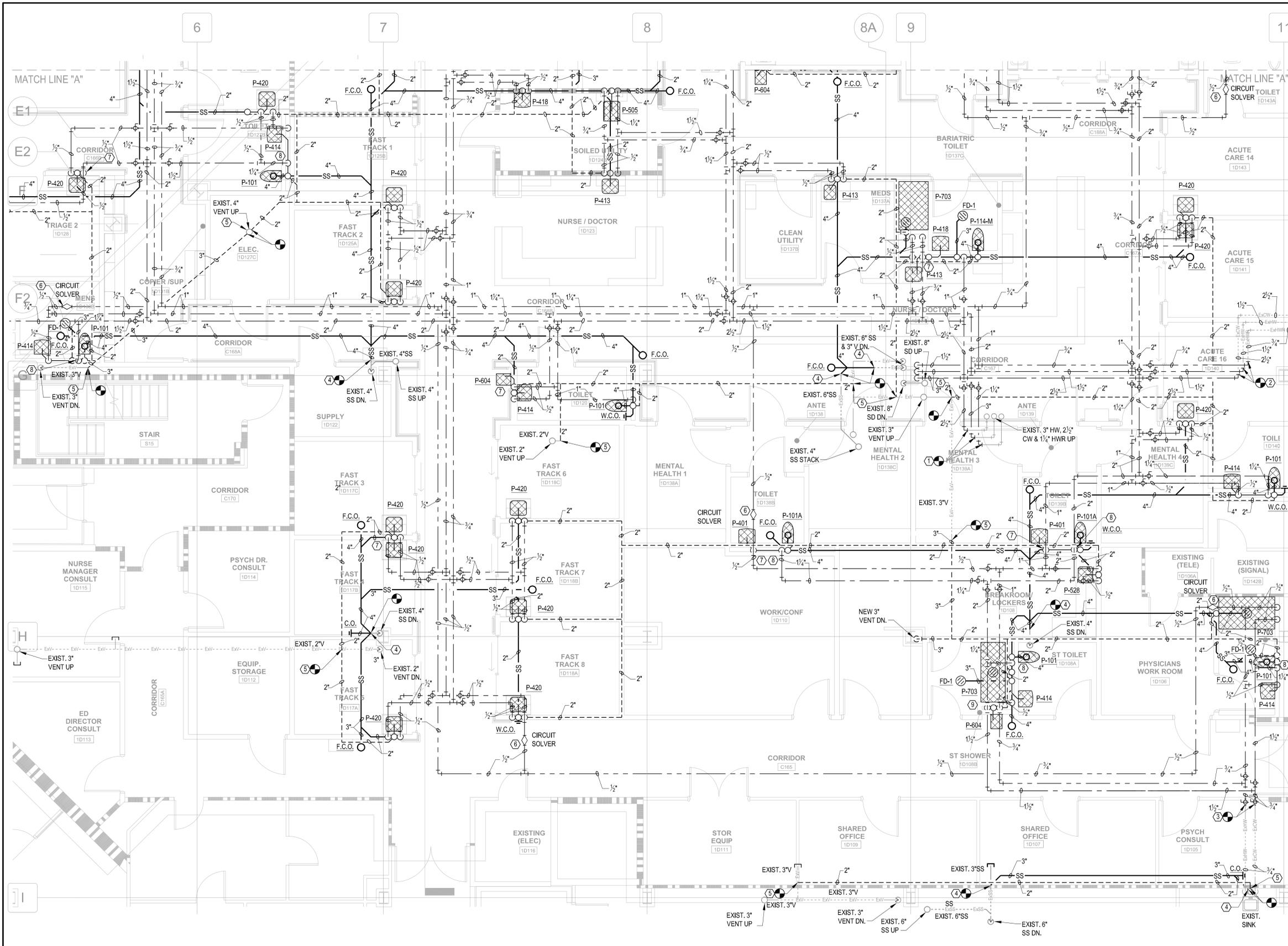
EXISTING SYSTEMS AND INFORMATION SHOWN ON THESE PLANS WERE DEVELOPED USING EXISTING AS-BUILT DRAWING, SHOWING PIPING LOCATIONS AND LIMITED SITE VERIFICATION. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SYSTEMS AND SITE CONDITIONS PRIOR TO CONSTRUCTION AND INCLUDE IN BASE BID. THIS INCLUDES: NATURAL GAS, MAIN DOMESTIC WATER, VENT, MEDICAL GAS, LABORATORY GAS, COMPRESSED AIR, SANITARY SEWER AND STORM DRAIN PIPING FOR LOCATIONS, SIZES, FLOW DIRECTION, INVERT ELEVATIONS AS IT PERTAINS TO THIS PROJECT. COORDINATE ALL NEW PIPE ROUTING WITH THAT OF OTHER TRADES PRIOR TO CONSTRUCTION.

1 FIRST FLOOR MED. AND LAB. GAS DEMOLITION PLAN - AREA B
1/4"=1'-0"



CONSTRUCTION DOCUMENTS SUBMISSION FULLY SPRINKLERED

Revisions:	Date	CONSULTANTS: CIVIL: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900 MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900		ARCHITECT/ENGINEERS: BES DESIGN/BUILD, LLC 766 Middle St, Fairhope, AL 36532 Phone: 251.990.5778 Fax: 251.990.3716	Drawing Title FIRST FLOOR MED. AND LAB. GAS DEMOLITION PLAN - AREA B	Project Title EMERGENCY DEPARTMENT MENTAL HEALTH IMPROVEMENTS	Project Number CSI-112	Building Number 1	CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM
					Approved: Project Director	Location LITTLE ROCK, ARKANSAS	Drawing Number PD105	Date 2015.03.06	



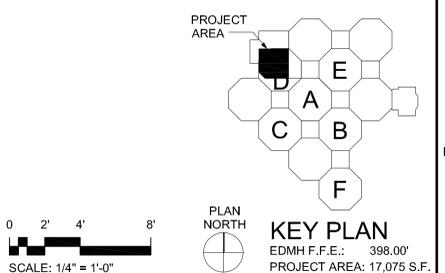
KEYED NOTES

- ① CONNECT NEW 3" HOT WATER (HW), 2 1/2" COLD WATER (CW) & 1 1/2" HOT WATER RETURN (HWR) PIPE TO EXISTING 3" EXHW, 2 1/2" EXCW AND 1 1/2" EXHWR PIPING ABOVE CEILING AT THIS POINT. PROVIDE WITH NEW 3" X 3" 90° BEND/ELBOW FITTING FOR HW PIPE, 2 1/2" X 2 1/2" 90° BEND/ELBOW FITTING FOR CW PIPE AND 1 1/2" X 1 1/2" 90° BEND/ELBOW FITTING FOR HWR PIPE.
- ② CONNECT NEW 2 1/2" COLD WATER (CW), 1 1/2" HOT WATER (HW) & 3/4" HOT WATER RETURN (HWR) PIPE TO EXISTING 2 1/2" EXCW, 1 1/2" EXHW AND 3/4" EXHWR PIPING ABOVE CEILING AT THIS POINT. PROVIDE WITH NEW 2 1/2" X 2 1/2" 90° BEND/ELBOW FITTING FOR CW PIPE AND 1 1/2" X 1 1/2" 90° BEND/ELBOW FITTING FOR HW AND 3/4" X 3/4" 90° BEND/ELBOW FITTING FOR HWR PIPE.
- ③ CONNECT NEW 3/4" COLD WATER (CW) 3/4" HOT WATER (HW) PIPE TO EXISTING 3/4" EXCW AND 3/4" EXHW PIPING ABOVE CEILING AT THIS POINT WITH A NEW 3/4" BALL VALVES.
- ④ CONNECT NEW 2", 3" OR 4" SANITARY SEWER (SS) PIPE TO EXISTING 2", 3", 4" OR 6" EXSS PIPING BELOW FLOOR AT THIS POINT WITH A NEW 6" X 6" X 4", 6" X 6" X 3", 4" X 3" X 2", 3" X 3" X 2", 4" X 4" X 2", 3" X 3" X 3", 3" X 3" X 2" OR 2" X 2" WYE FITTING, 45° BEND/ELBOW OR COUPLING FITTING.
- ⑤ CONNECT NEW 2", 3" OR 4" VENT PIPE TO EXISTING 2", 3" AND/OR 4" EXV PIPING ABOVE CEILING AT THIS POINT WITH NEW 3" X 3" X 2" X 2" CROSS FITTING, 4" X 3" X 3", 4" X 3" X 2", 3" X 3" X 2" OR 2" X 2" X 2" TEE FITTING, 4" X 4", 3" X 3", OR 2" X 2" 90° BEND/ELBOW OR COUPLING FITTING.
- ⑥ PROVIDE THERMO-OMEGA-TECH #CIRCUIT SOLVER THERMOSTATIC CIRCUIT SETTER BALANCING VALVE, (SAME SIZE AS LINE, 5" F DELTA T-100°F AND 10°F DELTA T-120°F HWR). PROVIDE FULL PORT BALL VALVE AND UNION IMMEDIATELY UPSTREAM AND DOWNSTREAM OF THE BALANCING VALVE. SEE DETAIL 2P-502.
- ⑦ RUN 1/2" COLD WATER (CW) AND/OR HOT WATER (HW) PIPE DOWN IN WALL AND PROVIDE WITH 1/2" CW AND/OR HW PIPE STUB-OUTS TO SERVE SINGLE OR BACK-TO-BACK LAVATORIES AND/OR ELECTRIC WATER COOLER.
- ⑧ RUN 1/2" COLD WATER (CW) PIPE DOWN IN WALL AND PROVIDE WITH 1" CW PIPE STUB-OUT TO SERVE WATER CLOSET AND 1/2" CW PIPE STUB-OUT TO SERVE LAVATORY.
- ⑨ RUN 1/2" COLD WATER (CW) AND HOT WATER (HW) PIPE DOWN IN WALL AND PROVIDE WITH 1/2" CW AND 1/2" HW PIPE STUB-OUTS TO SERVE SHOWER AND/OR ELECTRIC WATER COOLER.

GENERAL NOTES

1. SEE SHEET P1001 FOR ADDITIONAL NOTES AND LEGEND.
2. THE CONTRACTOR SHALL INSTALL AND CONNECT NEW PLUMBING SERVICE (SANITARY SEWER (SS), STORM SEWER (SD), VENT AND DOMESTIC WATER PIPING) TO EXISTING. THE CONTRACTOR SHALL PATCH TO MATCH EXISTING FLOORS, WALLS AND CEILING PENETRATIONS IMPACTED BY NEW CONSTRUCTION WORK.
3. NEW SANITARY SEWER (SS), STORM SEWER (SD), VENT, DOMESTIC WATER PIPING AT CEILING STRUCTURE SHALL BE COORDINATED WITH ALL EXISTING CONDITION AND OTHER TRADES IN THIS AREA, AND SHALL NOT BE ROUTED OVER ANY ELECTRICAL AND DATA ROOMS.
4. ALL DOMESTIC WATER PIPING SHALL BE INSULATED INSIDE OF BUILDING.
5. PROVIDE SHOCK ARRESTORS PER P.D.I. (PISTOL TYPE) AT EACH FIXTURE GROUP AND ISOLATED FIXTURES.
6. ALL FIXTURES SHALL BE VENTED PER ALL STATE AND LOCAL CODES AND JURISDICTIONS.
7. ALL FAUCETS, WALL SUPPLIES AND STOPS FOR NEW PLUMBING FIXTURES (LAVATORIES, SINKS AND ELECTRIC WATER COOLER) TO BE "LEAD FREE" PER THE "SAFE DRINKING WATER ACT" AND NSF 61 AND NSF 372.

⚠ CONNECTION OF NEW PIPING TO EXISTING MAY CAUSE SIGNIFICANT OUTAGES THAT MUST BE COORDINATED WITH THE USER. COORDINATE ALL WORK WITH THE PHASING PLAN. THE VA WILL PROVIDE TEMPORARY MEDICAL GAS SERVICE, BUT OTHER TEMPORARY UTILITIES MUST BE PROVIDED DUE TO THE PHASING PROCESS.



① FIRST FLOOR PLUMBING PLAN - AREA A
1/4"=1'-0"

CONSULTANTS:
CIVIL:
 CROMWELL
 101 SOUTH SPRING STREET
 LITTLE ROCK, AR 72201
 501.372.2900
MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION:
 CROMWELL
 101 SOUTH SPRING STREET
 LITTLE ROCK, AR 72201
 501.372.2900

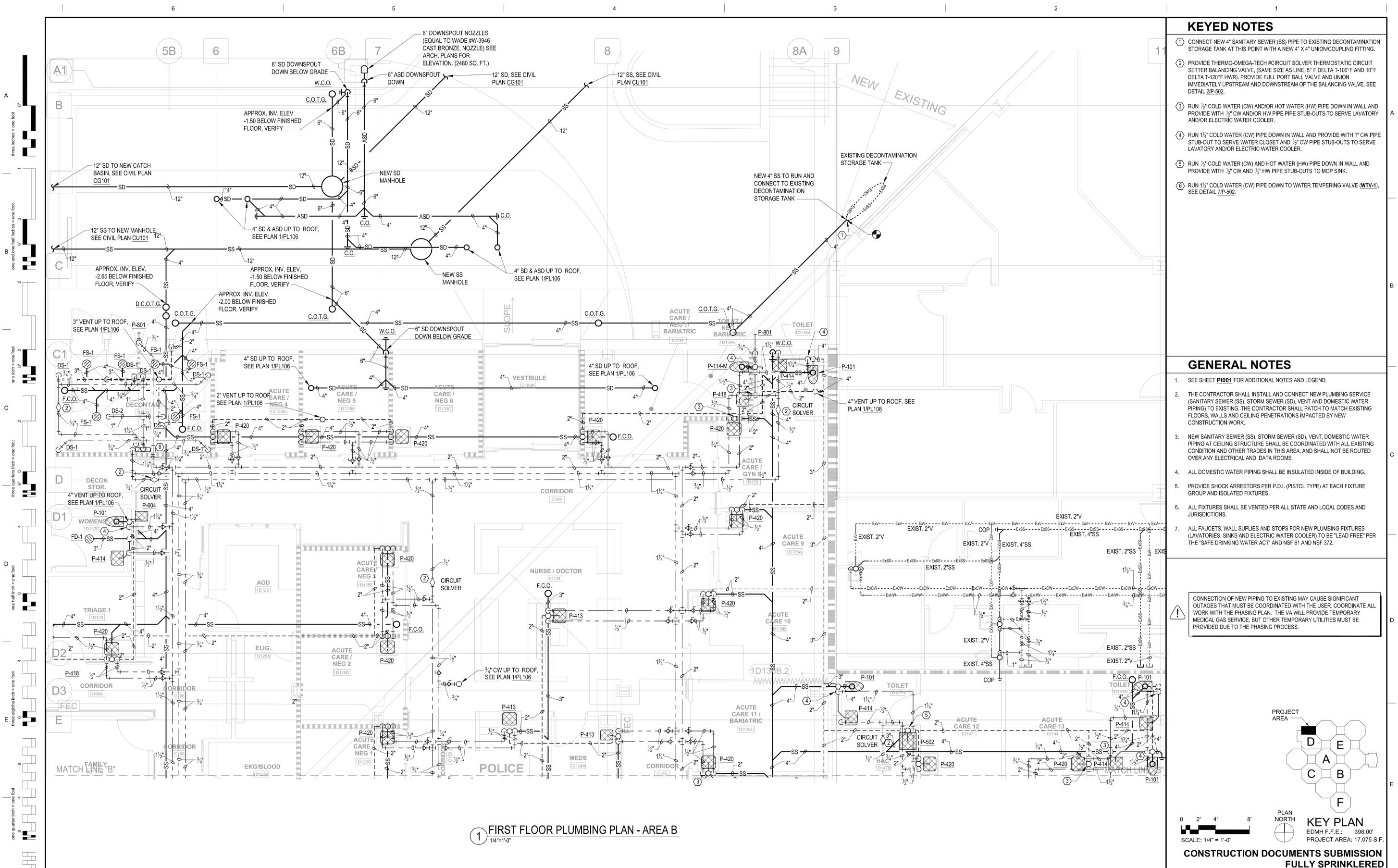
ARCHITECT/ENGINEERS:

 BES DESIGN/BUILD, LLC
 766 Middle St, Fairhope, AL 36532
 Phone: 251.990.5778
 Fax: 251.990.3716

Drawing Title
FIRST FLOOR PLUMBING PLAN - AREA A
 Approved: Project Director

Project Title
EMERGENCY DEPARTMENT MENTAL HEALTH IMPROVEMENTS
 Location
 LITTLE ROCK, ARKANSAS
 Date
 2015.03.06
 Drawn
 SMITH
 Checked
 SEAY
 Project Number
 CSI-112
 Building Number
 1
 Drawing Number
 PL101
 Dwg. 79 of 127

CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM



KEYED NOTES

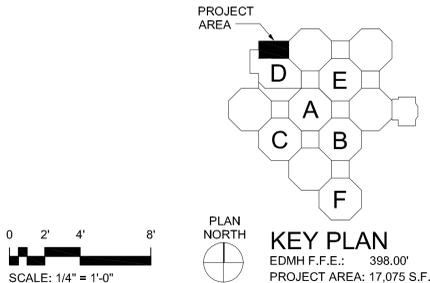
- ① CONNECT NEW 4" SANITARY SEWER (SS) PIPE TO EXISTING DECONTAMINATION STORAGE TANK AT THIS POINT WITH A NEW 4" X 4" UNION/COUPLING FITTING.
- ② PROVIDE THERMO-OMEGA-TECH #CIRCUIT SOLVER THERMOSTATIC CIRCUIT SETTER BALANCING VALVE, (SAME SIZE AS LINE, 5" F DELTA T-100°F AND 10" F DELTA T-120°F HWR), PROVIDE FULL PORT BALL VALVE AND UNION IMMEDIATELY UPSTREAM AND DOWNSTREAM OF THE BALANCING VALVE. SEE DETAIL 2/P-502.
- ③ RUN 1/2" COLD WATER (CW) AND/OR HOT WATER (HW) PIPE DOWN IN WALL AND PROVIDE WITH 1/2" CW AND/OR HW PIPE PIPE STUB-OUTS TO SERVE LAVATORY AND/OR ELECTRIC WATER COOLER.
- ④ RUN 1/2" COLD WATER (CW) PIPE DOWN IN WALL AND PROVIDE WITH 1" CW PIPE STUB-OUT TO SERVE WATER CLOSET AND 1/2" CW PIPE STUB-OUTS TO SERVE LAVATORY AND/OR ELECTRIC WATER COOLER.
- ⑤ RUN 1/2" COLD WATER (CW) AND HOT WATER (HW) PIPE DOWN IN WALL AND PROVIDE WITH 1/2" CW AND 1/2" HW PIPE STUB-OUTS TO MOP SINK.
- ⑥ RUN 1/2" COLD WATER (CW) PIPE DOWN TO WATER TEMPERING VALVE (WTV-1), SEE DETAIL 7/P-502.

GENERAL NOTES

1. SEE SHEET P1001 FOR ADDITIONAL NOTES AND LEGEND.
2. THE CONTRACTOR SHALL INSTALL AND CONNECT NEW PLUMBING SERVICE (SANITARY SEWER (SS), STORM SEWER (SD), VENT AND DOMESTIC WATER PIPING) TO EXISTING. THE CONTRACTOR SHALL PATCH TO MATCH EXISTING FLOORS, WALLS AND CEILING PENETRATIONS IMPACTED BY NEW CONSTRUCTION WORK.
3. NEW SANITARY SEWER (SS), STORM SEWER (SD), VENT, DOMESTIC WATER PIPING AT CEILING STRUCTURE SHALL BE COORDINATED WITH ALL EXISTING CONDITION AND OTHER TRADES IN THIS AREA, AND SHALL NOT BE ROUTED OVER ANY ELECTRICAL AND DATA ROOMS.
4. ALL DOMESTIC WATER PIPING SHALL BE INSULATED INSIDE OF BUILDING.
5. PROVIDE SHOCK ARRESTORS PER P.D.I. (PISTOL TYPE) AT EACH FIXTURE GROUP AND ISOLATED FIXTURES.
6. ALL FIXTURES SHALL BE VENTED PER ALL STATE AND LOCAL CODES AND JURISDICTIONS.
7. ALL FAUCETS, WALL SUPPLIES AND STOPS FOR NEW PLUMBING FIXTURES (LAVATORIES, SINKS AND ELECTRIC WATER COOLER) TO BE "LEAD FREE" PER THE "SAFE DRINKING WATER ACT" AND NSF 61 AND NSF 372.

⚠ CONNECTION OF NEW PIPING TO EXISTING MAY CAUSE SIGNIFICANT OUTAGES THAT MUST BE COORDINATED WITH THE USER. COORDINATE ALL WORK WITH THE PHASING PLAN. THE VA WILL PROVIDE TEMPORARY MEDICAL GAS SERVICE, BUT OTHER TEMPORARY UTILITIES MUST BE PROVIDED DUE TO THE PHASING PROCESS.

① **FIRST FLOOR PLUMBING PLAN - AREA B**
1/4"=1'-0"



CONSTRUCTION DOCUMENTS SUBMISSION FULLY SPRINKLERED

CONSULTANTS:

CIVIL:
CROMWELL
101 SOUTH SPRING STREET
LITTLE ROCK, AR 72201
501.372.2900

MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION:
CROMWELL
101 SOUTH SPRING STREET
LITTLE ROCK, AR 72201
501.372.2900

ARCHITECT/ENGINEERS:



BES DESIGN/BUILD, LLC
766 Middle St, Fairhope, AL 36532
Phone: 251.990.5778
Fax: 251.990.3716

Drawing Title
FIRST FLOOR PLUMBING PLAN - AREA B

Project Title
EMERGENCY DEPARTMENT MENTAL HEALTH IMPROVEMENTS

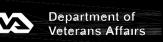
Project Number
CSI-112

CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM

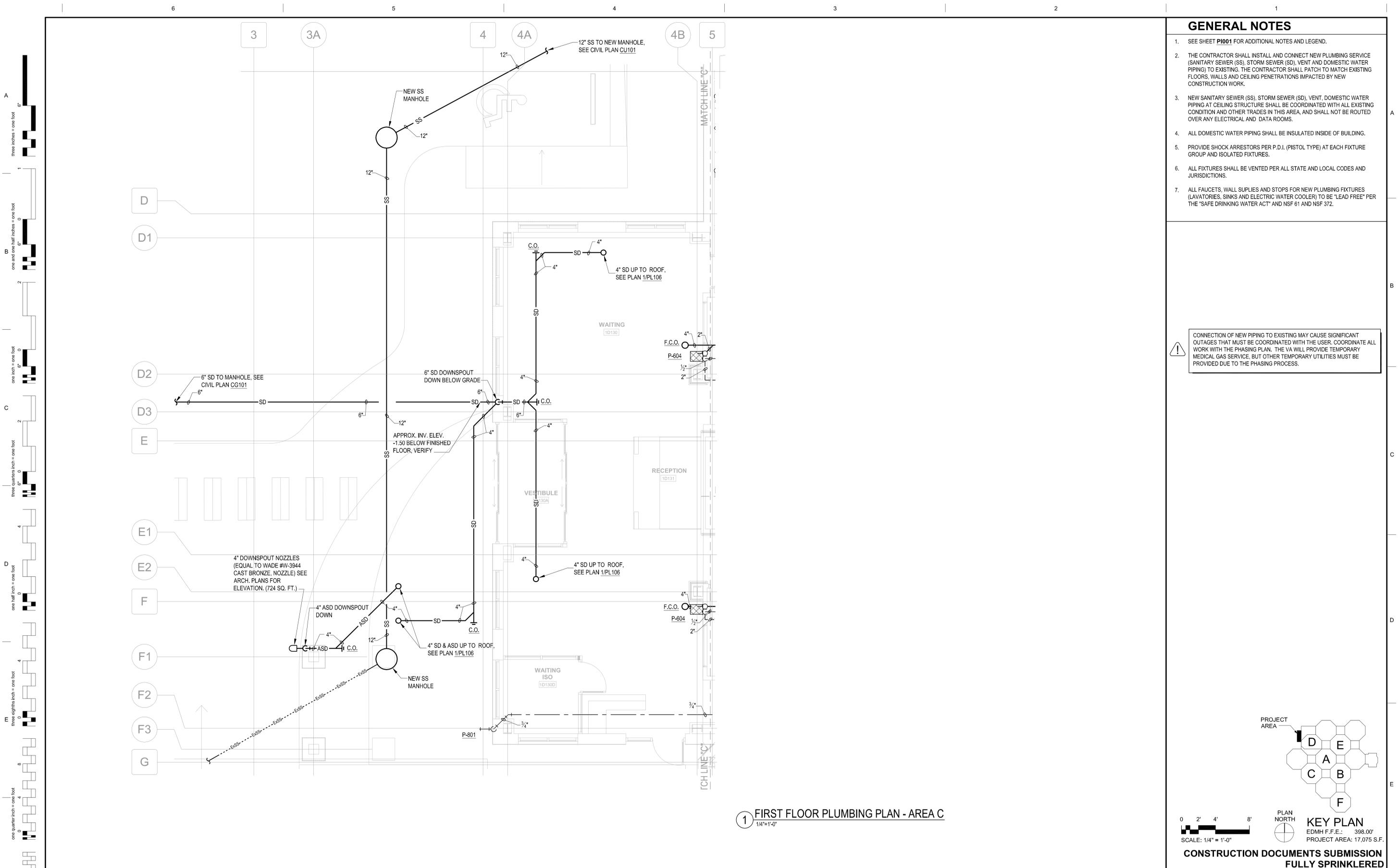
Approved: Project Director

Location
LITTLE ROCK, ARKANSAS

Drawing Number
PL102



Revisions:	Date:



- ### GENERAL NOTES
- SEE SHEET **PI001** FOR ADDITIONAL NOTES AND LEGEND.
 - THE CONTRACTOR SHALL INSTALL AND CONNECT NEW PLUMBING SERVICE (SANITARY SEWER (SS), STORM SEWER (SD), VENT AND DOMESTIC WATER PIPING) TO EXISTING. THE CONTRACTOR SHALL PATCH TO MATCH EXISTING FLOORS, WALLS AND CEILING PENETRATIONS IMPACTED BY NEW CONSTRUCTION WORK.
 - NEW SANITARY SEWER (SS), STORM SEWER (SD), VENT, DOMESTIC WATER PIPING AT CEILING STRUCTURE SHALL BE COORDINATED WITH ALL EXISTING CONDITION AND OTHER TRADES IN THIS AREA, AND SHALL NOT BE ROUTED OVER ANY ELECTRICAL AND DATA ROOMS.
 - ALL DOMESTIC WATER PIPING SHALL BE INSULATED INSIDE OF BUILDING.
 - PROVIDE SHOCK ARRESTORS PER P.D.I. (PISTOL TYPE) AT EACH FIXTURE GROUP AND ISOLATED FIXTURES.
 - ALL FIXTURES SHALL BE VENTED PER ALL STATE AND LOCAL CODES AND JURISDICTIONS.
 - ALL FAUCETS, WALL SUPPLIES AND STOPS FOR NEW PLUMBING FIXTURES (LAVATORIES, SINKS AND ELECTRIC WATER COOLER) TO BE "LEAD FREE" PER THE "SAFE DRINKING WATER ACT" AND NSF 61 AND NSF 372.

⚠ CONNECTION OF NEW PIPING TO EXISTING MAY CAUSE SIGNIFICANT OUTAGES THAT MUST BE COORDINATED WITH THE USER. COORDINATE ALL WORK WITH THE PHASING PLAN. THE VA WILL PROVIDE TEMPORARY MEDICAL GAS SERVICE, BUT OTHER TEMPORARY UTILITIES MUST BE PROVIDED DUE TO THE PHASING PROCESS.

① **FIRST FLOOR PLUMBING PLAN - AREA C**
1/4"=1'-0"

PROJECT AREA

PLAN NORTH

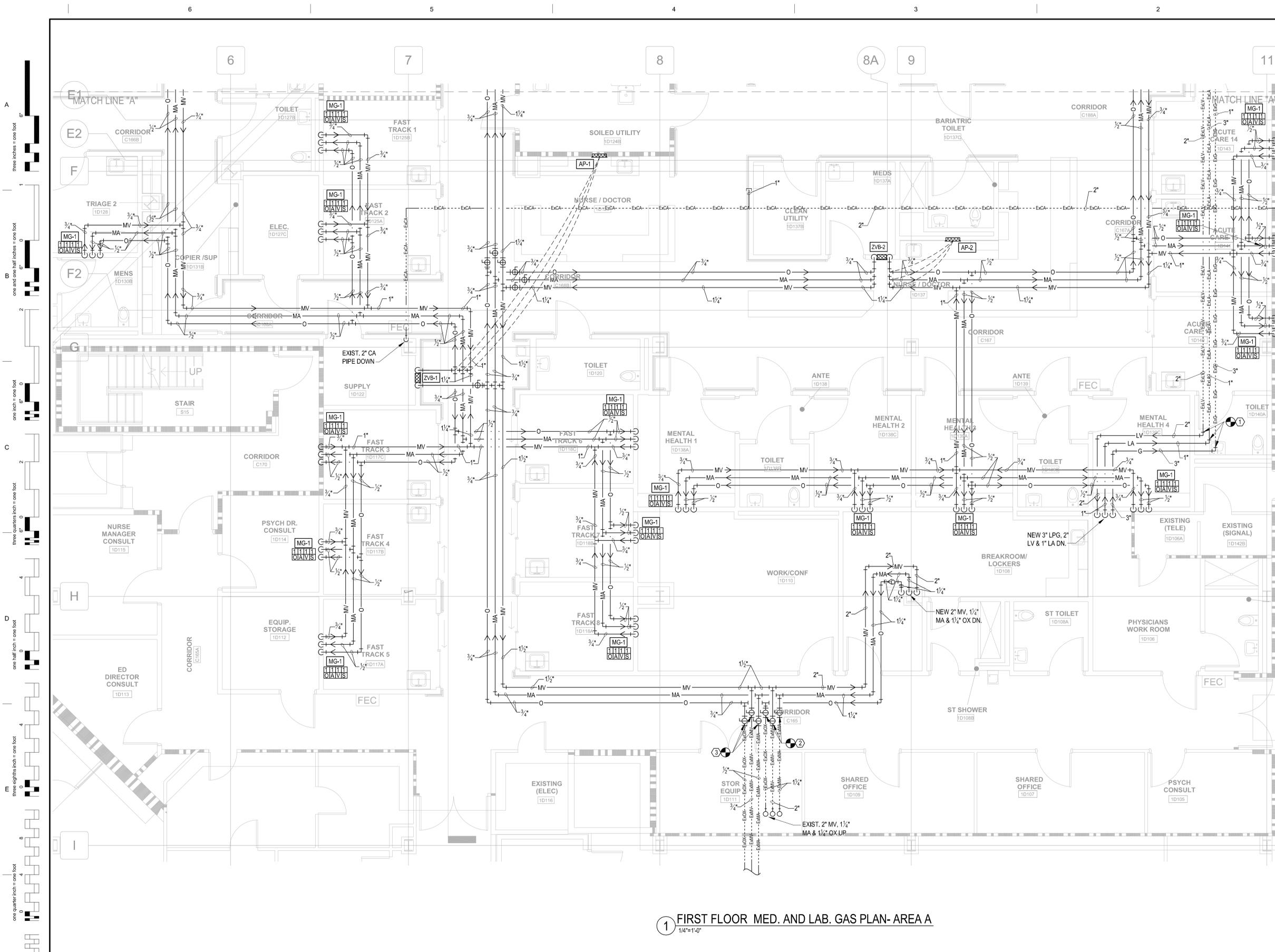
SCALE: 1/4" = 1'-0"

KEY PLAN
EDMH F.F.E.: 398.00'
PROJECT AREA: 17,075 S.F.

CONSTRUCTION DOCUMENTS SUBMISSION
FULLY SPRINKLERED

Revisions: _____ Date _____ Date	CONSULTANTS: CIVIL: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900	MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900	ARCHITECT/ENGINEERS: BES DESIGN/BUILD, LLC 766 Middle St, Fairhope, AL 36532 Phone: 251.990.5778 Fax: 251.990.3716	Drawing Title FIRST FLOOR PLUMBING PLAN - AREA C	Project Title EMERGENCY DEPARTMENT MENTAL HEALTH IMPROVEMENTS	Project Number CSI-112	Building Number 1	Drawing Number PL103	Date 2015.03.06	Drawn SMITH	Checked SEAY	Dwg. 81 of 127	Department of Veterans Affairs
	VA FORM 08-6231 8/28/2014 2:15:40 PM			Approved: Project Director	Location LITTLE ROCK, ARKANSAS	Central Arkansas Veterans Affairs Healthcare System							

A three inches = one foot
 B one and one half inches = one foot
 C one inch = one foot
 D three quarters inch = one foot
 E one half inch = one foot
 F one quarter inch = one foot
 G three eighths inch = one foot
 H one eighth inch = one foot



KEYED NOTES

- CONNECT NEW 3" NATURAL GAS (G), 2" LABORATORY VACUUM (LV) & 1" LABORATORY AIR (LA) PIPE TO EXISTING 3" EXG, 2" EXLV AND 1" EXLA PIPING ABOVE CEILING AT THIS POINT IN CORRIDOR WITH NEW 3" X 3" 90° BEND/ELBOW FITTING FOR G PIPE, 2" X 2" 90° BEND/ELBOW FITTING FOR LV PIPE AND 1" X 1" 90° BEND/ELBOW FITTING FOR LA PIPE.
- CONNECT NEW 2" MEDICAL VACUUM (MV), 1/2" MEDICAL AIR (MA) & 1/2" MEDICAL OXYGEN (O) PIPE TO EXISTING 3/4" EXMV, 1/2" EXMA AND 1/2" EXOX PIPING ABOVE CEILING AT THIS POINT IN CORRIDOR WITH NEW 2" LOCKABLE BALL VALVE FOR MV PIPE AND NEW 1/2" LOCKABLE BALL VALVES FOR MA AND O PIPING.
- CONNECT NEW 3/4" MEDICAL VACUUM (MV), 1/2" MEDICAL AIR (MA) & 1/2" MEDICAL OXYGEN (O) PIPE TO EXISTING 3/4" EXMV, 1/2" EXMA AND 1/2" EXOX PIPING ABOVE CEILING AT THIS POINT IN CORRIDOR WITH A NEW 3/4" LOCKABLE BALL VALVE FOR MV PIPE AND NEW 1/2" LOCKABLE BALL VALVES FOR MA AND O PIPING.

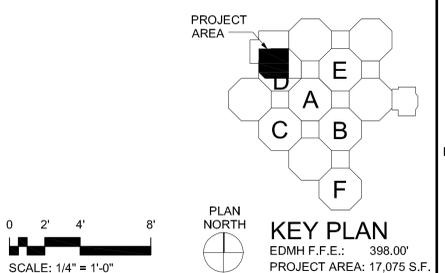
GENERAL NOTES

- SEE SHEET P1001 FOR ADDITIONAL NOTES AND LEGEND.
- ALL EXISTING EQUIPMENT, PIPING, ETC. ARE BASED ON AS-BUILT DRAWINGS, VISUAL OBSERVATION BY A/E, AND LITTLE ROCK VA HOSPITAL STAFF PERSONNEL. CONTRACTOR TO VERIFY LOCATION AND MAKE PROVISIONS, SHOULD THERE BE ANY CONFLICTS OR VARIATIONS.
- THE CONTRACTOR SHALL CONNECT NEW MEDICAL GAS SERVICES TO EXISTING. THE CONTRACTOR SHALL PATCH TO MATCH EXISTING FLOORS, WALLS AND CEILING PENETRATIONS.
- ALL MEDICAL GAS WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH NFPA 99 AND PROJECT SPECIFICATIONS.
- ALL SERVICE BALL VALVES TEE OFF OF MAIN BRANCH LINES AND ZONE VALVE BOXES SHALL BE EQUIPPED WITH LOCKABLE HANDLES.
- CONTRACTOR SHALL PROVIDE CERTIFICATION FOR NEW MEDICAL GAS PIPING.
- CONTRACTOR SHALL ALSO PROVIDE CERTIFICATION FOR ALL MEDICAL GAS PIPING (MEDICAL VACUUM, MEDICAL AIR AND OXYGEN) DOWN STREAM OF WHERE CONNECTIONS TO EXISTING PIPING ARE SHOWN.

MEDICAL GAS LEGEND

- NEW MEDICAL GAS EQUIPMENT
- NEW ALARM PANEL - 1
- NEW ALARM PANEL - 2
- NEW ALARM PANEL - 3
- NEW ZONE VALVE BOX - 1 (1/4" VAC, 3/4" OXY & 3/4" AIR)
- NEW ZONE VALVE BOX - 2 (1/4" VAC, 3/4" OXY & 3/4" AIR)
- NEW ZONE VALVE BOX - 3 (1/4" VAC, 3/4" OXY & 3/4" AIR)
- NEW (1) 3/4" VAC, (1) SLIDE, (1) 1/2" AIR & (1) 1/2" OXY (IN WALL)

CONNECTION OF NEW PIPING TO EXISTING MAY CAUSE SIGNIFICANT OUTAGES THAT MUST BE COORDINATED WITH THE USER. COORDINATE ALL WORK WITH THE PHASING PLAN. THE VA WILL PROVIDE TEMPORARY MEDICAL GAS SERVICE, BUT OTHER TEMPORARY UTILITIES MUST BE PROVIDED DUE TO THE PHASING PROCESS.



1 FIRST FLOOR MED. AND LAB. GAS PLAN- AREA A
1/4"=1'-0"

three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot

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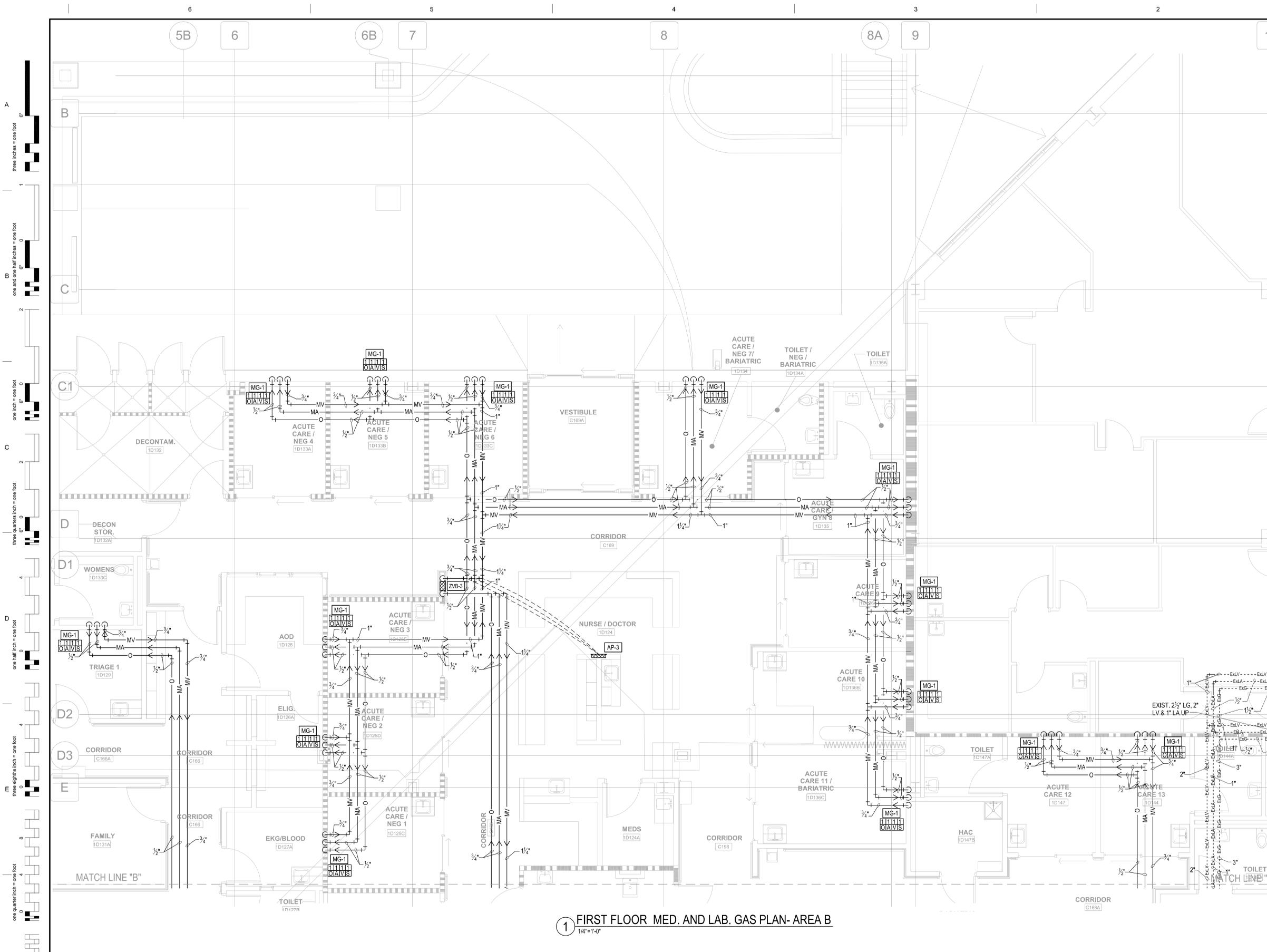
ARCHITECT/ENGINEERS:

 BES DESIGN/BUILD, LLC
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 Phone: 251.990.5778
 Fax: 251.990.3716

Drawing Title
 FIRST FLOOR MED. AND LAB. GAS PLAN - AREA A
Approved: Project Director

Project Title
 EMERGENCY DEPARTMENT
 MENTAL HEALTH IMPROVEMENTS
Location
 LITTLE ROCK, ARKANSAS
Date
 2015.03.06
Drawn
 SMITH
Checked
 SEAY
Project Number
 CSI-112
Building Number
 1
Drawing Number
 PL104
 Dwg. 82 of 127

CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM



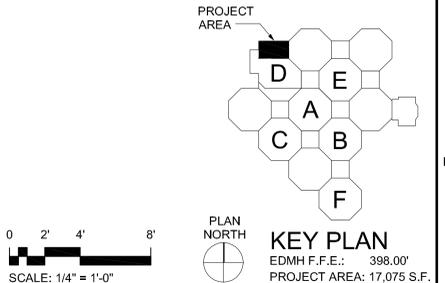
1 FIRST FLOOR MED. AND LAB. GAS PLAN- AREA B
1/4"=1'-0"

- ### GENERAL NOTES
- SEE SHEET P1001 FOR ADDITIONAL NOTES AND LEGEND.
 - ALL EXISTING EQUIPMENT, PIPING, ETC. ARE BASED ON AS-BUILT DRAWINGS, VISUAL OBSERVATION BY A/E, AND LITTLE ROCK VA HOSPITAL STAFF PERSONNEL. CONTRACTOR TO VERIFY LOCATION AND MAKE PROVISIONS, SHOULD THERE BE ANY CONFLICTS OR VARIATIONS.
 - THE CONTRACTOR SHALL CONNECT NEW MEDICAL GAS SERVICES TO EXISTING. THE CONTRACTOR SHALL PATCH TO MATCH EXISTING FLOORS, WALLS AND CEILING PENETRATIONS.
 - ALL MEDICAL GAS WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH NFPA 99 AND PROJECT SPECIFICATIONS.
 - ALL SERVICE BALL VALVES TEE OFF OF MAIN BRANCH LINES AND ZONE VALVE BOXES SHALL BE EQUIPPED WITH LOCKABLE HANDLES.
 - CONTRACTOR SHALL PROVIDE CERTIFICATION FOR NEW MEDICAL GAS PIPING.
 - CONTRACTOR SHALL ALSO PROVIDE CERTIFICATION FOR ALL MEDICAL GAS PIPING (MEDICAL VACUUM, MEDICAL AIR AND OXYGEN) DOWN STREAM OF WHERE CONNECTIONS TO EXISTING PIPING ARE SHOWN.

MEDICAL GAS LEGEND

	NEW MEDICAL GAS EQUIPMENT
	NEW ALARM PANEL - 1
	NEW ALARM PANEL - 2
	NEW ALARM PANEL - 3
	NEW ZONE VALVE BOX - 1 (1/2" VAC, 3/4" OXY & 3/4" AIR)
	NEW ZONE VALVE BOX - 2 (1/2" VAC, 3/4" OXY & 3/4" AIR)
	NEW ZONE VALVE BOX - 3 (1/2" VAC, 3/4" OXY & 3/4" AIR)
	NEW (1) 3/4" VAC, (1) SLIDE, (1) 1/2" AIR & (1) 1/2" OXY (IN WALL)

CONNECTION OF NEW PIPING TO EXISTING MAY CAUSE SIGNIFICANT OUTAGES THAT MUST BE COORDINATED WITH THE USER. COORDINATE ALL WORK WITH THE PHASING PLAN. THE VA WILL PROVIDE TEMPORARY MEDICAL GAS SERVICE, BUT OTHER TEMPORARY UTILITIES MUST BE PROVIDED DUE TO THE PHASING PROCESS.



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501.372.2900

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101 SOUTH SPRING STREET
LITTLE ROCK, AR 72201
501.372.2900

ARCHITECT/ENGINEERS:

BES DESIGN/BUILD

BES DESIGN/BUILD, LLC
766 Middle St, Fairhope, AL 36532
Phone: 251.990.5778
Fax: 251.990.3716

Drawing Title
FIRST FLOOR MED. AND LAB. GAS PLAN - AREA B

Approved: Project Director

Project Title
EMERGENCY DEPARTMENT MENTAL HEALTH IMPROVEMENTS

Location
LITTLE ROCK, ARKANSAS

Date
2015.03.06

Drawn
SMITH

Checked
SEAY

Project Number
CSI-112

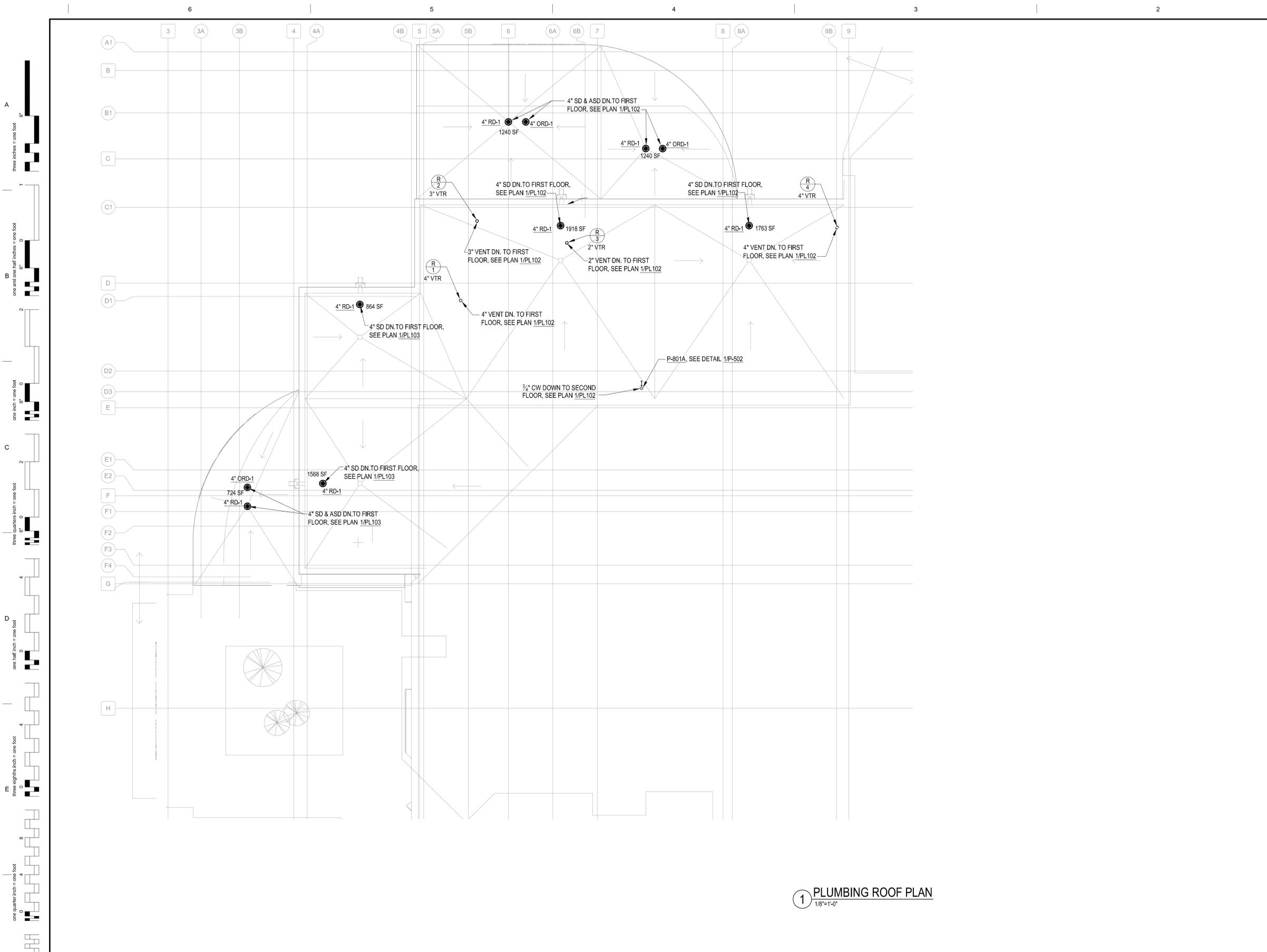
Building Number
1

Drawing Number
PL105

Dwg. 83 of 127

CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM

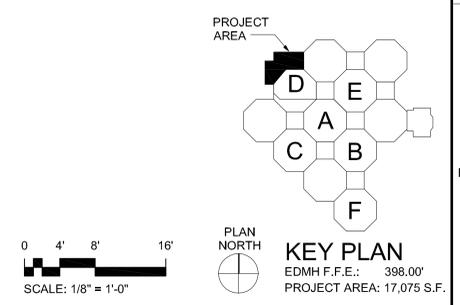
Department of Veterans Affairs



- ### GENERAL NOTES
- SEE SHEET **PI001** FOR ADDITIONAL NOTES AND LEGEND.
 - THE CONTRACTOR SHALL INSTALL AND CONNECT NEW PLUMBING SERVICE (SANITARY SEWER (SS), STORM SEWER (SD), VENT AND DOMESTIC WATER PIPING) TO EXISTING. THE CONTRACTOR SHALL PATCH TO MATCH EXISTING FLOORS, WALLS AND CEILING PENETRATIONS IMPACTED BY NEW CONSTRUCTION WORK.
 - NEW SANITARY SEWER (SS), STORM SEWER (SD), VENT, DOMESTIC WATER PIPING AT CEILING STRUCTURE SHALL BE COORDINATED WITH ALL EXISTING CONDITION AND OTHER TRADES IN THIS AREA, AND SHALL NOT BE ROUTED OVER ANY ELECTRICAL AND DATA ROOMS.
 - ALL DOMESTIC WATER PIPING SHALL BE INSULATED INSIDE OF BUILDING.
 - PROVIDE SHOCK ARRESTORS PER P.D.I. (PISTOL TYPE) AT EACH FIXTURE GROUP AND ISOLATED FIXTURES.
 - ALL FIXTURES SHALL BE VENTED PER ALL STATE AND LOCAL CODES AND JURISDICTIONS.
 - ALL FAUCETS, WALL SUPPLIES AND STOPS FOR NEW PLUMBING FIXTURES (LAVATORIES, SINKS AND ELECTRIC WATER COOLER) TO BE "LEAD FREE" PER THE "SAFE DRINKING WATER ACT" AND NSF 61 AND NSF 372.

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① **PLUMBING ROOF PLAN**
1/8" = 1'-0"



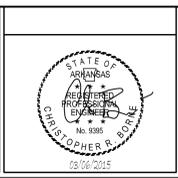
CONSTRUCTION DOCUMENTS SUBMISSION
FULLY SPRINKLERED

Revisions:	Date:

CONSULTANTS:

CIVIL:
CROMWELL
101 SOUTH SPRING STREET
LITTLE ROCK, AR 72201
501.372.2900

MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION:
CROMWELL
101 SOUTH SPRING STREET
LITTLE ROCK, AR 72201
501.372.2900



ARCHITECT/ENGINEERS:

BES DESIGN/BUILD

BES DESIGN/BUILD, LLC
766 Middle St, Fairhope, AL 36532
Phone: 251.990.5778
Fax: 251.990.3716

Drawing Title
PLUMBING ROOF PLAN

Approved: Project Director

Project Title
EMERGENCY DEPARTMENT MENTAL HEALTH IMPROVEMENTS

Location
LITTLE ROCK, ARKANSAS

Date
2015.03.06

Drawn
SMITH

Checked
SEAY

Project Number
CSI-112

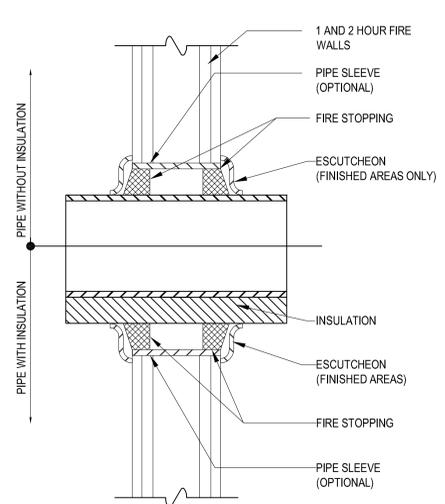
Building Number
1

Drawing Number
PL106

Dwg. 84 of 127

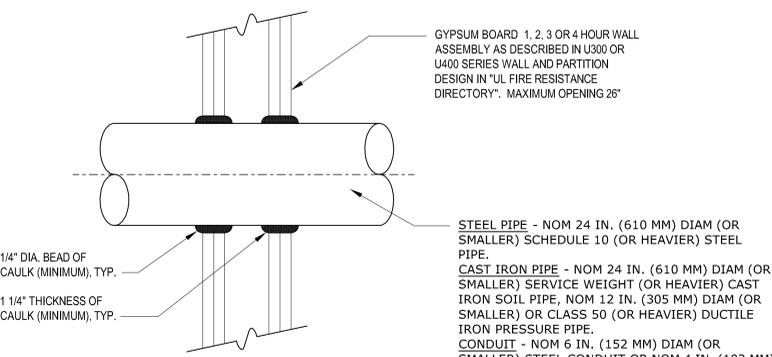


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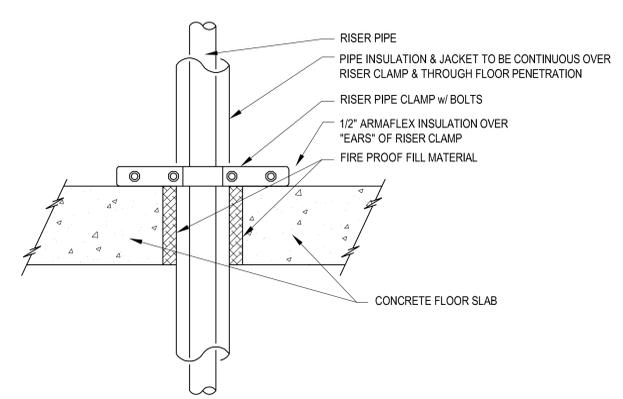
NOTE:
 1. FIRE STOPPING MATERIAL SHALL COMPLY WITH SECTION 07840 OF THE SPECIFICATIONS.
 2. THIS DETAIL REPRESENTS ONE MANUFACTURER'S RECOMMENDATION FOR A WALL TYPE. THE CONTRACTOR SHALL CONSULT THE FIRE STOPPING MATERIALS MANUFACTURER FOR SPECIFIC INFORMATION AND SPECIFIC INSTALLATION INSTRUCTIONS FOR THE WALLS AND PARTITIONS APPLICABLE TO THIS PROJECT.

4 INTERIOR PIPE THRU FIRE WALL
 NO SCALE

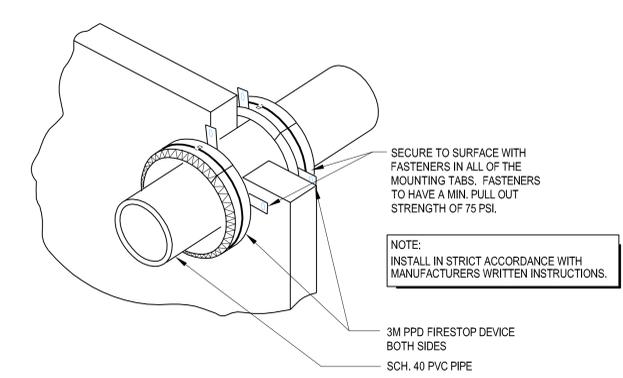


NOTE:
 1. FIRE STOPPING MATERIAL SHALL COMPLY WITH SECTION 07840 OF THE SPECIFICATIONS.
 2. THIS DETAIL REPRESENTS ONE MANUFACTURER'S RECOMMENDATION FOR A WALL TYPE. THE CONTRACTOR SHALL CONSULT THE FIRE STOPPING MATERIALS MANUFACTURER FOR SPECIFIC INFORMATION AND SPECIFIC INSTALLATION INSTRUCTIONS FOR THE WALLS AND PARTITIONS APPLICABLE TO THIS PROJECT.

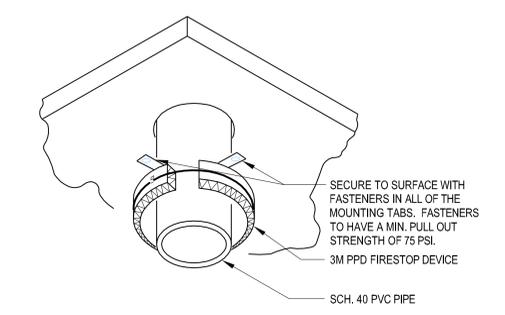
5 METALLIC PIPE PENETRATION THRU RATED GYPSUM WALL
 NO SCALE



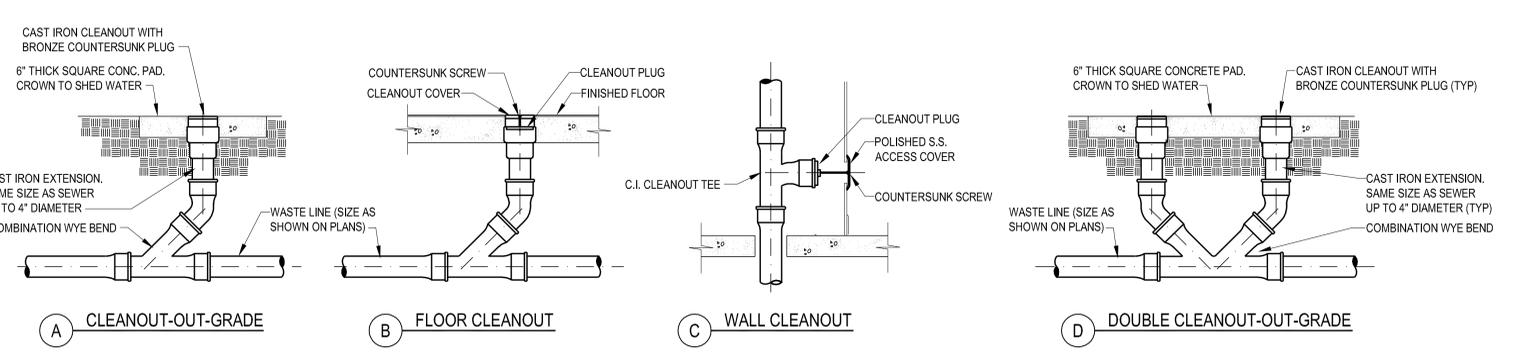
6 PIPE RISER INSULATION
 NO SCALE



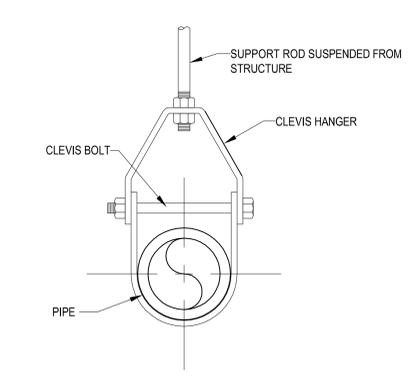
8 PVC PIPE THRU RATE WALL
 NO SCALE



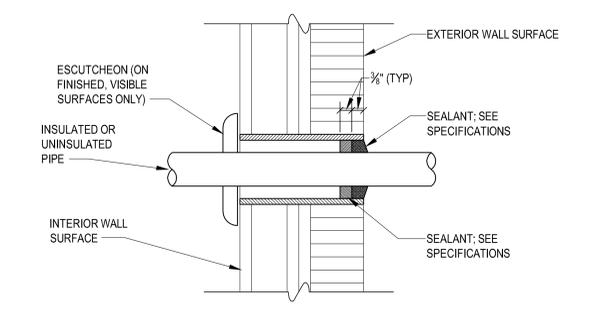
7 PVC PIPE THRU RATE CEILING
 NO SCALE



1 TYPICAL CLEANOUTS
 NO SCALE



2 ADJUSTABLE CLEVIS HANGER
 NO SCALE



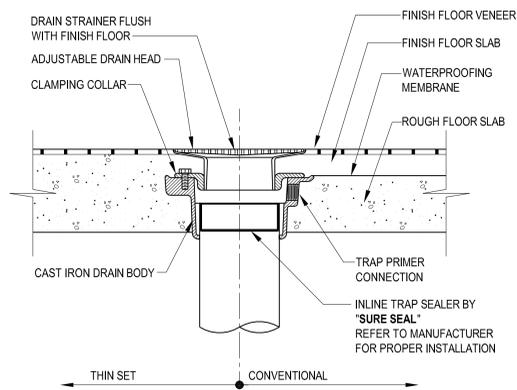
3 PIPE THRU EXTERIOR WALL
 NO SCALE

CONSTRUCTION DOCUMENTS SUBMISSION FULLY SPRINKLERED

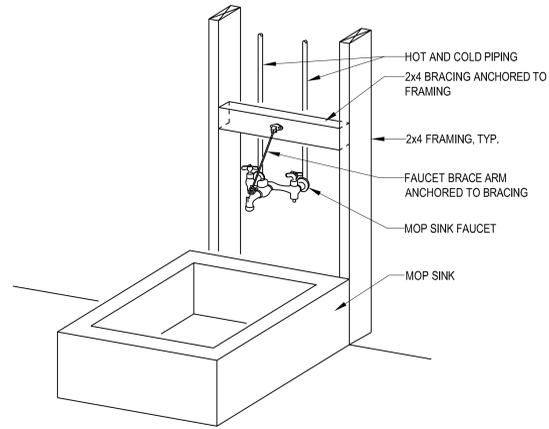
Revisions: Date	CONSULTANTS: CIVIL: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900	MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900	ARCHITECT/ENGINEERS: BES DESIGN/BUILD, LLC 766 Middle St, Fairhope, AL 36532 Phone: 251.990.5778 Fax: 251.990.3716	Drawing Title PLUMBING DETAILS	Project Title EMERGENCY DEPARTMENT MENTAL HEALTH IMPROVEMENTS	Project Number CSI-112	Building Number 1	Drawing Number PL501	Date 2015.03.06	Drawn SMITH	Checked SEAY	Dwg. 85 of 127	CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM
	Approved: Project Director	Location LITTLE ROCK, ARKANSAS	Date 03/06/2015	Approved: Project Director	Date 2015.03.06	Drawn SMITH	Checked SEAY	Dwg. 85 of 127	Department of Veterans Affairs				

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A
B
C
D
E

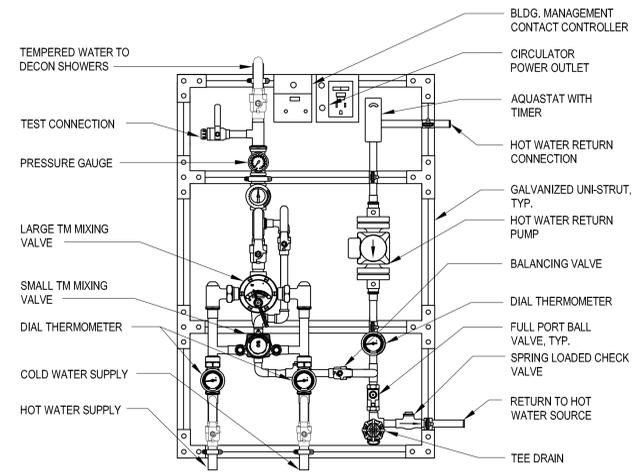


5 FLOOR DRAIN DETAIL
NO SCALE

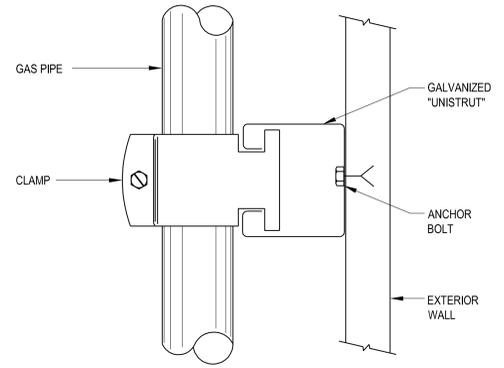


NOTE:
SEE DETAIL 8/A-502 FOR FAUCET BACKING

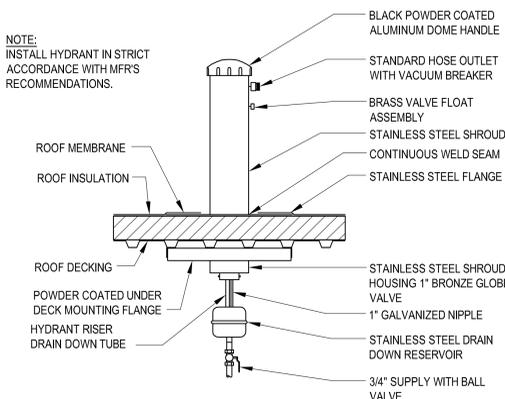
6 MOP SINK FAUCET BRACING (P-502)
NO SCALE



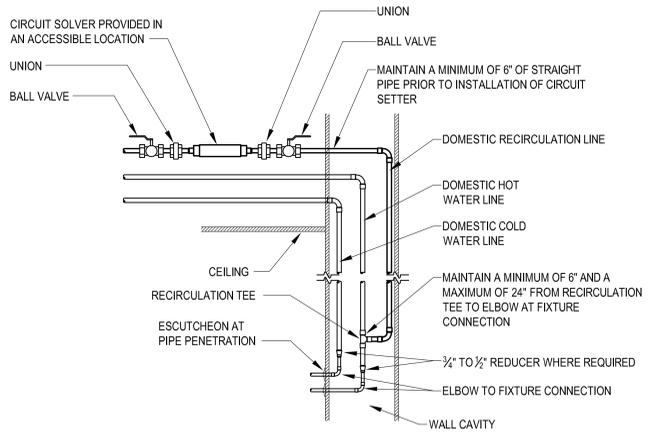
7 THERMOSTATIC MIXING VALVE STATION (WTV-1)
NO SCALE



8 PIPE WALL SUPPORT
NO SCALE

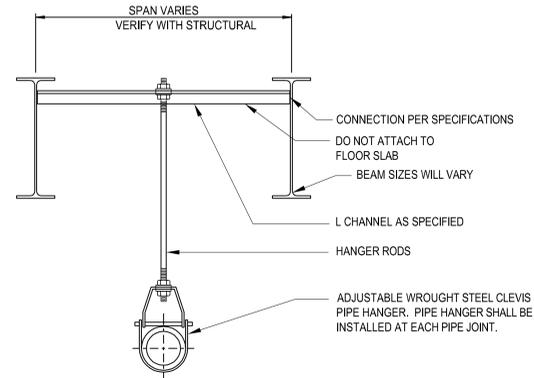


1 FREEZEPROOF ROOF HYDRANT (P-801A)
NO SCALE

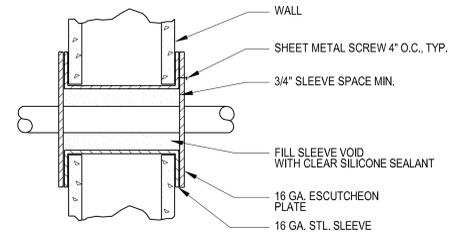


NOTE:
WHEN ATTACHING RECIRCULATION PIPING IN CHASE HEADER, ATTACH AT FARTHEST FIXTURE LOCATION.

2 CIRCUIT SOLVER CONNECTION
NO SCALE



3 PIPE SUPPORTING HANGER
NO SCALE



4 EXTERIOR PIPE SLEEVE
NO SCALE

CONSTRUCTION DOCUMENTS SUBMISSION
FULLY SPRINKLERED

Revisions: Date	CONSULTANTS: CIVIL: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900 MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900		ARCHITECT/ENGINEERS: BES DESIGN/BUILD, LLC 766 Middle St, Fairhope, AL 36532 Phone: 251.990.5778 Fax: 251.990.3716	Drawing Title PLUMBING DETAILS Approved: Project Director	Project Title EMERGENCY DEPARTMENT MENTAL HEALTH IMPROVEMENTS	Project Number CSI-112	Building Number 1	Drawing Number PL502	CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM
					Location LITTLE ROCK, ARKANSAS	Date 2015.03.06	Drawn SMITH	Checked SEAY	

PLUMBING FIXTURE SCHEDULE

(NOTE: FIXTURES SCHEDULED ARE BASIS OF DESIGN. PROVIDE "EQUAL TO" FIXTURES SCHEDULED. FIXTURE SHALL COMPLY WITH "BUY AMERICAN ACT")

P-101 WATER CLOSET, FLOOR-MOUNTED, MANUAL OPERATED FLUSH VALVE, ADA ACCESSIBLE
FIXTURE - AMERICAN STANDARD "MADERA 17-14" #3443.001, VITREOUS CHINA WITH EVERCLEAN, WHITE, FLOOR MOUNTED, 1.1 TO 1.6 GPF, 2 1/8" PASSAGEWAY, 1 1/2" TOP SPUD, SIPHON JET FLUSHING, ELONGATED BOWL, INTEGRAL STOPS, AND INTEGRAL TRAPS.
 FLUSH VALVE - **ZURN "AQUAVANTAGE" #26000AV-WS1** 1.6 GALLON PER FLUSH, LOW CONSUMPTION FLUSH VALVE.
 SEAT - **AMERICAN STANDARD #5901.110**, HEAVY ELONGATED OPEN FRONT SEAT LESS COVER, EVERCLEAN SURFACE, CONCEALED CHECK HINGES.
 PLUMBING ROUGH-INS - 4" SS, 2" V, 1" CW
 MOUNTING - RIM AT 17"-19" A.F.F. (SEE ACCESSIBLE NOTES FOR ADDITIONAL REQUIREMENTS).

P-101A WATER CLOSET, FLOOR-MOUNTED, REAR OUTLET, PUSH BUTTON FLUSH VALVE, MENTAL HEALTH AREA
FIXTURE - AMERICAN STANDARD "HURON" #3341.001, VITREOUS CHINA WITH PERMANENT EVERCLEAN, FLOOR MOUNT REAR OUTLET WITH ANGLE BACK AND BASE, 1 1/2" BACK SPUD INLET, SIPHON JET FLUSH ACTION, WALL SLEEVE, ELONGATED TOILET BOWL WITH INTEGRAL SEAT, 1.6 GALLON LOW CONSUMPTION, FULLY GLAZED 2" TRAPWAY, 12" X 10" WATER SURFACE AREA, 4 BOLTS CAPS, (COLOR WHITE).
 FLUSH VALVE - **SLOAN #9603-1.6-MBFW**, CONCEALED HYDRAULICALLY ACTIVATED WATER CLOSET FLUSHMETER FOR BACK SPUD WATER CLOSET, 1.6 GALLON LOW CONSUMPTION, METAL PUSH BUTTON WALL ACTUATOR
 PLUMBING ROUGH-INS - 4" SS, 2" V, 1" CW
 MOUNTING HEIGHT - RIM AT 18" A.F.F.

P-114-M WATER CLOSET, FLOOR-MOUNTED, BARIATRIC, MANUAL OPERATED FLUSH VALVE, MODIFIED
FIXTURE - AMERICAN STANDARD "FLOWISE" #3641.001, WHITE, VITREOUS CHINA, 1.6 GALLON DIRECT-FED SIPHON JET FLUSHING ACTION, LOW CONSUMPTION, ANTI-BACTERIA INHIBITORS, ELONGATED BOWL, FULLY GLAZED 2" TRAPWAY, 1 1/2" TOP SPUD, LOAD TESTED TO 2,000 LBS. (COLOR WHITE).
 FLUSH VALVE - **ZURN "AQUAVANTAGE" #26000AV-WS1** 1.6 GALLON PER FLUSH, LOW CONSUMPTION FLUSH VALVE.
 SEAT - AMERICAN STANDARD OPEN FRONT WHITE SEAT LESS COVER INCLUDED.
 PLUMBING ROUGH-INS - 4" SS, 2" V, 1" CW.
 MOUNTING HEIGHT - RIM AT 17" A.F.F. (SEE ADA COMPLIANT NOTES FOR ADDITIONAL REQUIREMENTS).

P-401 LAVATORY, WALL HUNG, MENTAL HEALTH AREA, ADA ACCESSIBLE
FIXTURE - BRADLEY "SAFECARE" #HSL1HR-TMA-TL-TC-AL-BRKT-S-CHROME SINGLE STATION LIGATURE-RESISTANT LAVATORY, VANDAL-RESISTANT TERREON SOLID SURFACE MATERIAL, PRE-ASSEMBLED LAVATORY SPRAYHEAD WITH INFRARED CONTROL AND 24V, 50% HZ SOLENOID VALVE, 0.5 GPM FLOW RATE, NAVIGATOR THERMOSTATIC MIXING VALVE, SINGLE TEMPERED LINE, SURFACE-MOUNTED BRACKET, LEAD-FREE STOPS WITH FLEXIBLE STAINLESS STEEL SUPPLY CONNECTIONS, CHROME-PLATED "P" TRAP, GRID STRAINER AND TAILPIECE, CLASS II 110/24VAC PLUG-IN TRANSFORMER PLUGS INTO STANDARD GFCI ELECTRICAL OUTLET, 22 GAUGE TYPE 304 STAINLESS STEEL TRAP COVER WITH A #4 FINISH, CONCEALS ALL PLUMBING TO MINIMIZE LIGATURE POINTS.
 PLUMBING ROUGH-IN - 2" SS, 2" V, 1/2" CW, 1/2" HW.
 MOUNTING HEIGHT - SEE ADA ACCESSIBLE NOTES FOR ADDITIONAL REQUIREMENTS

P-413 LAVATORY, COUNTERTOP, GOOSENECK FAUCET
FIXTURE - AMERICAN STANDARD "AQUALYN" #0476.028, 20 3/8" X 17 3/8" X 7", SELF-RIMMING COUNTER TOP, WHITE, VITREOUS CHINA, THREE 1 1/2" FAUCET HOLES ON 4" CENTER, FRONT OVERFLOW.
FAUCET - T & S BRASS #B-1141-WH4 DECK MOUNTED FAUCET WITH 5/8" RIGID GOOSENECK SPOUT ON 4" CENTER SET, 0.5 LAMINAR FLOW RATE AND 4" WRIST BLAD HANDLES
GRID STRAINER - McGUIRE #155WC OFFSET TYPE, 1 1/2", ADJUST SANITARY SEWER ROUGH-IN LOCATION TO ACCOMMODATE OFFSET GRID STRAINER.
STOPS - McGUIRE #LF2165CCLK, LEAD FREE, LOOSE KEY, COMPRESSION CONNECTION, 1/2" X 3/8" O.D.
P-TRAP - McGUIRE #B8872, 1-1/4" INLET/OUTLET, 17 GA. CHROME PLATED CAST BRASS WITH CLEANOUT.
COVERS - TRUEBRO PRODUCTS TRAP AND SUPPLY COVERS.
 PLUMBING ROUGH-INS - 2" SS, 2" V, 1/2" CW, 1/2" HW.
 MOUNTING HEIGHT - SEE ADA ACCESSIBLE NOTES FOR ADDITIONAL REQUIREMENTS.

P-414 LAVATORY, WALL HUNG, GOOSENECK FAUCET
FIXTURE - AMERICAN STANDARD "ROXALYN" #0195.073, 20" X 18" X 7", WHITE, VITREOUS CHINA, THREE 1 1/2" FAUCET HOLE ON 4" CENTER, CONCEALED ARM.
FAUCET - T & S BRASS #B-1141-WH4 LEAD FREE, DECK MOUNTED FAUCET WITH 5 3/4" RIGID GOOSENECK SPOUT ON 4" CENTER SET, 0.5 LAMINAR FLOW RATE AND 4" WRIST BLAD HANDLES .
GRID STRAINER - McGUIRE #155WC OFFSET TYPE, 1-1/4", ADJUST SANITARY SEWER ROUGH-IN LOCATION TO ACCOMMODATE OFFSET GRID STRAINER.
STOPS - McGUIRE #LF2165CCLK, LEAD FREE, LOOSE KEY, COMPRESSION CONNECTION, 1/2" X 3/8" O.D.
P-TRAP - McGUIRE #8872, 1-1/4" INLET/OUTLET, 17 GA. CHROME PLATED CAST BRASS WITH CLEANOUT.
CARRIER - ZURN #1231 CONCEALED ARM WALL CARRIER.
 PLUMBING ROUGH-INS - 2" SS, 2" V, 1/2" CW, 1/2" HW
 MOUNTING HEIGHT - SEE ARCHITECTURAL DETAILS.

P-418 LAVATORY, WALL HUNG, GOOSENECK SPOUT, SENSOR OPERATED FAUCET, ADA ACCESSIBLE
FIXTURE - AMERICAN STANDARD "DECLYN" #0321.075, 18 1/2" X 17" X 6", VITREOUS CHINA, REAR OVERFLOW, FAUCET HOLES 4" CENTERS, **FAUCET - CHICAGO FAUCET #116.102.AB.1**, LEAD FREE, SENSOR OPERATED, SINGLE HOLE, HARD WIRED, 0.5 GPM LOW FLOW, VANDAL RESISTANT AERATOR, POWER SUPPLY TRANSFORMER CHICAGO #240.631.00.1 ABOVE CEILING CONCEALED 120 VAC/12 VAC TRANSFORMER (WILL OPERATE UP TO 8 FAUCETS).
MIXING VALVE - LAWLER #TMM-1070LF, LEAD FREE, BELOW DECK MECHANICAL THERMOSTATIC MIXING VALVE (SET @ 110°F).
GRID STRAINER - McGUIRE #155WC OFFSET TYPE, 1 1/2", ADJUST SANITARY SEWER ROUGH-IN LOCATION TO ACCOMMODATE OFFSET GRID STRAINER.
STOPS - McGUIRE #LF2165CCLK, LEAD FREE, LOOSE KEY, COMPRESSION CONNECTION 1/2" X 3/8" O.D.
P-TRAP - McGUIRE #8872, 1-1/4" INLET/OUTLET, 17 GA. CHROME PLATED CAST BRASS WITH CLEANOUT.
COVERS - TRUEBRO PRODUCTS TRAP AND SUPPLY COVERS.
CARRIER - WADE #520-M24.
 PLUMBING ROUGH-IN - 2" SS, 2" V, 1/2" CW, 1/2" HW.
 MOUNTING HEIGHT - 34" AFF. (SEE ADA COMPLIANT NOTES FOR ADDITIONAL REQUIREMENTS).

P-420 LAVATORY, COUNTERTOP, SENSOR OPERATED FAUCET, ADA ACCESSIBLE
FIXTURE - AMERICAN STANDARD "AQUALYN" #0476.028, 20 3/8" X 17 3/8" X 5 5/8", SELF-RIMMING COUNTER TOP, WHITE, VITREOUS CHINA, CENTER SINGLE FAUCET HOLE.
FAUCET - CHICAGO FAUCET #116.102.AB.1, LEAD FREE, SENSOR OPERATED, SINGLE HOLE, HARD WIRED, 0.5 GPM LOW FLOW, VANDAL RESISTANT AERATOR, POWER SUPPLY TRANSFORMER CHICAGO #240.631.00.1 ABOVE CEILING CONCEALED 120 VAC/12 VAC TRANSFORMER (WILL OPERATE UP TO 8 FAUCETS).
MIXING VALVE - LAWLER #TMM-1070LF, LEAD FREE, BELOW DECK MECHANICAL THERMOSTATIC MIXING VALVE (SET @ 110°F).
GRID STRAINER - McGUIRE #WC155 OFFSET TYPE, 1 1/2", ADJUST SANITARY SEWER ROUGH-IN LOCATION TO ACCOMMODATE COUNTERTOP BY ARCHITECT.
STOPS - McGUIRE #LF2165CCLK, LEAD FREE, LOOSE KEY, COMPRESSION CONNECTION, 1/2" X 3/8" O.D.
P-TRAP - McGUIRE #8872, 1 1/4" INLET/OUTLET, 17 GA. CHROME PLATED CAST BRASS WITH CLEANOUT.
MIXING VALVE - LAWLER #TMM-1070LF, LEAD FREE, BELOW DECK MECHANICAL THERMOSTATIC MIXING VALVE (SET @ 110°F).
 PLUMBING ROUGH-INS - 2" SS, 2" V, 1/2" CW, 1/2" HW
 MOUNTING HEIGHT - 34" AFF. (SEE ACCESSIBLE NOTES FOR ADDITIONAL REQUIREMENTS).

P-502 MOP SINK, FLOOR MOUNT
FIXTURE - AMERICAN STANDARD "FLORWELL" #7741.000, 28" X 28" X 13", ENAMEL CAST IRON WITH #7745.811 REMOVABLE VINYL RIM GUARD (BLACK), ACID RESISTANT, CORNER FLOOR SINK.
FAUCET - #834.112 ROUGH CHROME PLATED FAUCET WITH VACUUM BREAKER AND PAUL HOOK, MOUNTED 36" A.F.F.
ACCESSORIES - FIAT PRODUCTS #989-CC STAINLESS STEEL MOP HANGER, (2) #832-AA 36" RUBBER HOSE AND HOSE HANGER, CAULK JOINTS BETWEEN SINK AND WALL WITH #833-AA SILICONE SEALANT.
PLUMBING ROUGH-INS - 3" SS, 2" V, 1/2" CW, 1/2" HW.

P-528 SINGLE COMPARTMENT SINK, COUNTERTOP, STAINLESS STEEL
FIXTURE - ELKAY "LUSTERTONE" #LRAD2521, 25" X 21 1/2" X 6 1/2", 18-GUAGE, TYPE 304 STAINLESS STEEL, SELF RIMMING, FOUR 1 1/2" FAUCET HOLES ON 4" CENTERS, 21" X 15 3/4" X 6 1/2" INSIDE BOWL, OFF-CENTER DRAIN.
FAUCET - ELKAY #LK1001 DECK MOUNTED FAUCET WITH SWING SPOUT AND SINGLE LEVER HANDLE, FLEXIBLE SPRAY HOSE, 8" CENTER SET, 1.5 GPM LAMINAR FLOW VANDAL RESISTANT AERATOR.
DISPOSER - IN-SINK-ERATOR #BADGER 5 CONTINUOUS FEED, WALL SWITCH, 1/2 HP MOTOR, 1725 RPM, MANUAL RESET OVERLOAD, 120 VOLTS/1 PHASE, 6.9 AMPS.
STOPS - McGUIRE #LF2165CCLK, LEAD FREE, LOOSE KEY, COMPRESSION CONNECTION, 1/2" X 3/8" O.D.
P-TRAP - McGUIRE #B8912, 1 1/2" INLET/OUTLET, 17 GA. CHROME PLATED CAST BRASS WITH CLEANOUT.
COVERS - TRUEBRO PRODUCTS TRAP AND SUPPLY COVERS WHERE KNEE GUARD IS NOT INSTALLED.
PLUMBING ROUGH-INS - 2" SS, 2" V, 1/2" CW, 1/2" HW.

P-604 ELECTRIC WATER COOLER, BARRIER FREE, WALL-HUNG, ADA ACCESSIBLE
FIXTURE - OASIS "VERSACOOLER II" #PGF8AC, LEAD FREE, WALL-HUNG, BARRIER FREE, 8.0 GPH, 50°F DRINKING WATER WITH 90°F AMBIENT AIR AND 80°F ENTERING WATER, ONE BUBBLERS TO MEET ADA REQUIREMENTS, 18 GAUGE, 304 STAINLESS STEEL, STANDARD FINISH, POLISHED CHROME PLATED BRASS ANTIROTATION NON-SQUIRT BUBBLER, 100 MESH INLET STRAINER, VANDAL RESISTANT SCREWS, MOUNTING FRAME, LOUVERED GRILLE PANEL, INTEGRAL P-TRAPS, 1/4 HP, 115V/1 PHASE.
STOPS - McGUIRE LFST17LK, LEAD FREE, LOOSE KEY, COMPRESSION CONNECTION, 1/2" X 3/8" O.D.
CARRIER - INTEGRAL TO UNIT.
PLUMBING ROUGH-IN - 2" SS, 2" V, 1/2" CW.
RIM MOUNTING HEIGHT - 31 3/8" AFF. (SEE ADA ACCESSIBLE NOTES FOR ADDITIONAL REQUIREMENTS).

P-703 SHOWER (TILE BUILT-UP), ADA ACCESSIBLE, ROLL-IN SHOWER
SHOWER VALVE - ZURN "TEMP-GUARD III" #Z7300-SSC-HW11-MT-VB, PRESSURE-BALANCING MIXING VALVE WITH LEVER HANDLE, INTEGRAL SERVICE STOPS AND ADJUSTABLE STOP SCREW, IN-LINE VACUUM BREAKER, 2.5 GPM CHROME WALL/HAND SHOWER WITH 60" FLEXIBLE METAL HOSE, WALL CONNECTION AND FLANGE, 30" SLIDE BAR
NOTE: SEE MANUFACTURER INSTALLATION FOR MOUNTING HEIGHT OF MIXING VALVE, HOSE, VACUUM BREAKER, AND WALL BRACKET.
DRAIN - ZURN #ZN415-H, CAST IRON FLOOR DRAIN WITH FLANGE, INTEGRAL REVERSIBLE CLAMPING COLLAR, SEEPAGE OPENING, 6" DIAMETER POLISHED NICKEL BRONZE FINISHED STRAINER, 2", 3" & 4" PIPE.
PLUMBING ROUGH-INS - 2" SS, 2" V, 1/2" CW, 1/2" HW.

P-801 FREEZELESS WALL HYDRANT
FIXTURE - WOODFORD #MODEL B67 AUTOMATIC DRAINING WITH DOUBLE CHECK BACKFLOW PREVENTER, 3/4" HOSE THREAD NOZZLE, LOOSE TEE KEY HANDLE.
PLUMBING ROUGH-INS - 3/4" CW.

P-801A FREEZEPROOF ROOF HYDRANT
FIXTURE - MAPA #MPH-24FP, AUTO DRAINING, BLACK POWDER COATED CAST ALUMINUM WEATHER-GUARD DOME HANDLE, 304 STAINLESS STEEL SHROUD WITH FLANGE, 125 LB. 1" BRONZE GLOBE VALVE WITH QUICK DISCONNECT AND BUILT-IN VACUUM BREAKER, STAINLESS STEEL RESERVOIR, R-8/THERMO-CELL INSULATION AND UNDER DECK SUPPORT FLANGE.
PLUMBING ROUGH-INS - 3/4" CW.

DS-1 CORNER MOUNTED WALL SHOWER STATION, DECONTAMINATION AREA
FIXTURE - WILLOUGHBY #CWKS-HAPS, 16 GAUGE, TYPE 304 STAINLESS STEEL, SINGLE TEMP COMPRESSION, APS ADJUSTABLE SPRAY/VANDAL RESISTANT SHOWERHEAD AND MOUNTING BRACKET, MOUNT WITH SHOWERHEAD 6'-0" A.F.F.
PLUMBING SUPPLY - 3/4" TEMPERED WATER

DS-2 OVERHEAD SHOWER STATION, DECONTAMINATION AREA
FIXTURE - GUARDIAN #G-5020 RC RETRACTABLE CEILING MOUNTED DRENCH HOSE OPEN REEL, #G5016 WALL MOUNTED DRENCH UNIT, SINGLE FS-PLUS SPRAY HEAD WITH "FLIP TOP" DUST COVER, INTERNAL FLOW CONTROL AND FILTER, FORGED BRAGG SQUEEZE VALVE ACTIVATED BY STAINLESS STEEL LEVER HANDLE, 8" REINFORCED NYLON RETRACCTABLE COILED HOSE, MOUNTING BRACKET WITH SPRING CLIPS, 1/2" FEMALE INLET.
PLUMBING SUPPLY - 1" TEMPERED WATER.

FD-1 FLOOR DRAIN, TOILETS AND FINISHED AREAS
FIXTURE - ZURN #ZN415-H, CAST IRON FLOOR DRAIN WITH FLANGE, INTEGRAL REVERSIBLE CLAMPING COLLAR, SEEPAGE OPENING, 6" DIAMETER POLISHED NICKEL BRONZE FINISHED STRAINER, 2", 3" & 4" PIPE. PROVIDE **SURE SEAL** INLINE TRAP SEALER INSERT.
PLUMBING ROUGH-INS - 2", 3", 4" SS, 2" V.

FS-1 FLOOR SINK, DECONTAMINATION AREA
FIXTURE - ZURN #Z1901-ZN-4-19-32, 12"X12" SQUARE TOP IRON FLOOR DRAIN WITH FLANGE, INTEGRAL CLAMPING FULL HINGED GRATE, MEDIUM DUTY, ACID RESIST EPOXY COATED (A.R.C.) CAST IRON, ALUMINUM DOME STRAINER, INSTALL DEEP-SEAL TRAPS, **SURE SEAL** INLINE TRAP SEALER INSERT.

RD-1 ROOF DRAIN
FIXTURE - ZURN #ZC100-C-EA, CAST IRON ROOF DRAIN WITH FLANGE, CAST IRON MUSHROOM DOME, (-C) UNDERDECK CLAMPING, (-EA) ADJUSTABLE EXTENSION ASSEMBLY, SEE PLAN FOR SIZE.
PLUMBING ROUGH-INS - SEE PLAN.

ORD-1 AUXILIARY ROOF DRAIN
 SAME AS RD-1, EXCEPT WITH 2" WATER DAM AND (-WS OPTION) STAINLESS STEEL RAIN COVER.
PLUMBING ROUGH-INS - SEE PLAN.

WCO WALL CLEANOUT
FIXTURE - ZURN #Z-1441-BP SERIES CLEANOUT CAST IRON FERRULE WITH BRASS PLUG, AND ROUND STAINLESS STEEL SECURE ACCESS COVER. USE CORRECT SIZE FOR PIPING INDICATED ON PLANS.

FCO FLOOR CLEANOUT
FIXTURE - ZURN #ZN1400-HD SERIES ADJUSTABLE, HEAVY DUTY CAST IRON FLOOR OUTLET, BRONZE PLUG, POLISHED NICKLE BRONZE TOP AND THREADED INSERTS.

COTG/DCOTG CLEANOUT TO GRADE/DOUBLE CLEANOUT TO GRADE
FIXTURE - ZURN #ZN1400-HD SERIES ADJUSTABLE, HEAVY DUTY CAST IRONGROUND OUTLET, BRONZE PLUG, POLISHED NICKEL BRONZE TOP AND THREADED INSERTS.

WTV-1 THERMOSTATIC MIXING VALVE CONTROL STATION - MIXING VALVE AND CIRCULATING PUMP
FIXTURE - LEONARD "MEGATRON" MDL. #3N-RP1-1, LEAD FREE, HI-LO THERMOSTATIC MIXING VALVE/CIRCULATING STATION, 1" HOT/COLD INLET, 1 1/2" MIXED OUTLET, 1" HOT WATER RETURN PIPING. FACTORY MODIFIED INLET/OUTLET CONNECTIONS, 1.0 TO 40 GPM AT 10 PSI DROP, ASSE 1017, COMBINATION STRAINER CHECKSTOP, FULL PORT BALL VALVES, TEST CONNECTION, DIAL THERMOMETER, PRESSURE GAUGE, SPRING LOAD CHECK VALVE, 110°F SET TEMPERATURE, AQUASTAT WITH TIMER. UNI-STRUT FRAME MOUNTED TO WALL.

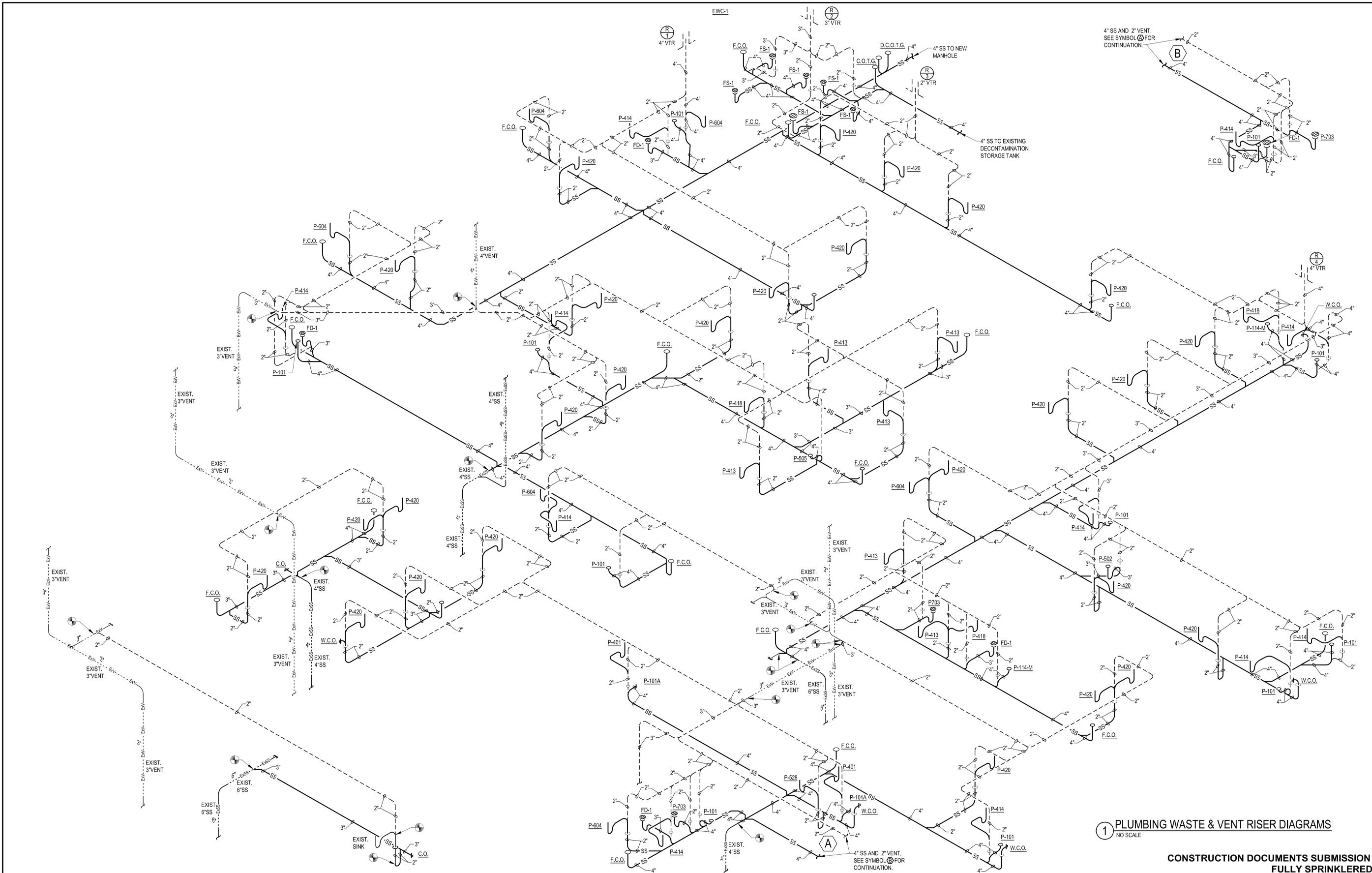
WATER HAMMER ARRESTORS
WADE "SHOKTROL" WHERE REQUIRED IN PIPING SYSTEMS, PROPERLY SIZED WATER HAMMER ARRESTERS SHALL BE PROVIDED. WATER HAMMER ARRESTERS SHALL BE LOCATED ON ALL QUICK CLOSING VALVE (FLUSH VALVES, DISHWASHERS, ICE MAKERS, SOLENOID VALVES, ETC.)

WATER HAMMER ARRESTOR						
WADE SHOKTROL SIZE	#5	#10	#20	#50	#75	#100
P.D.I. UNITS	A	B	C	D	E	F
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330

CONSTRUCTION DOCUMENTS SUBMISSION FULLY SPRINKLERED

Revisions:	Date	CONSULTANTS: CIVIL: CROMWELL 1011 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900 MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION: CROMWELL 1011 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900		ARCHITECT/ENGINEERS:  BES DESIGN/BUILD, LLC 766 Middle St, Fairhope, AL 36532 Phone: 251.990.5778 Fax: 251.990.3716	Drawing Title PLUMBING FIXTURE SCHEDULE & LEGEND	Project Title EMERGENCY DEPARTMENT MENTAL HEALTH IMPROVEMENTS	Project Number CSI-112 Building Number 1	CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM 
					Approved: Project Director	Location LITTLE ROCK, ARKANSAS	Drawing Number PL601 Dwg. 87 of 127	

A three inches = one foot
 B one and one half inches = one foot
 C one inch = one foot
 D three quarters inch = one foot
 E one half inch = one foot
 F three eighths inch = one foot
 G one quarter inch = one foot
 H one eighth inch = one foot

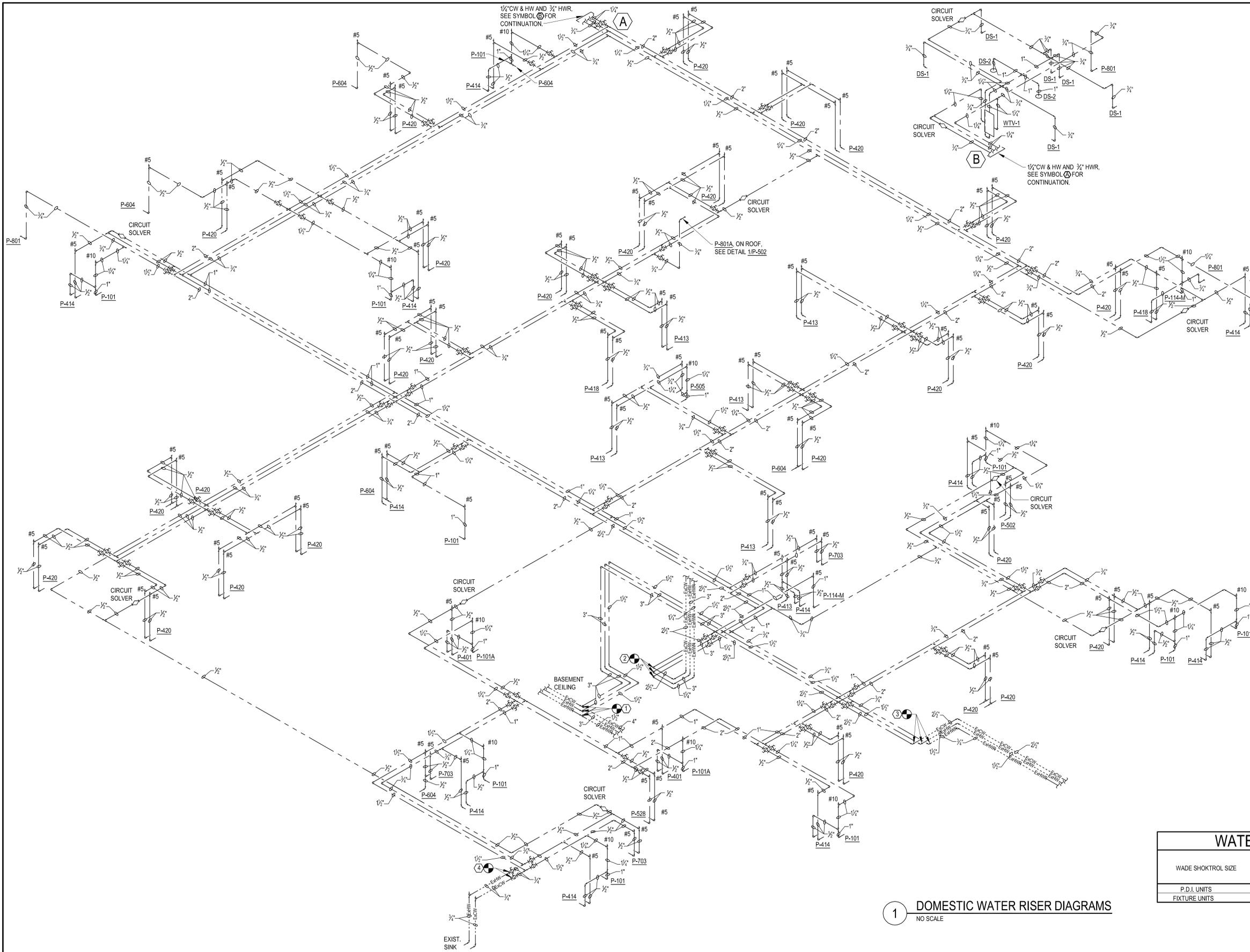


1 PLUMBING WASTE & VENT RISER DIAGRAMS
 NO SCALE

**CONSTRUCTION DOCUMENTS SUBMISSION
 FULLY SPRINKLERED**

Revisions: _____ Date	CONSULTANTS: CIVIL: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900	MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900	ARCHITECT/ENGINEERS:  BES DESIGN/BUILD, LLC 766 Middle St, Fairhope, AL 36532 Phone: 251.990.5778 Fax: 251.990.3716	Drawing Title PLUMBING WASTE & VENT RISER DIAGRAMS	Project Title EMERGENCY DEPARTMENT MENTAL HEALTH IMPROVEMENTS	Project Number CSI-112	Building Number 1	Location LITTLE ROCK, ARKANSAS	Drawing Number PL901	Date 2015.03.06	Drawn SMITH	Checked SEAY	Dwg. 88 of 127	CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM 
	Approved: Project Director	VA FORM 08-6231 8/28/2014 2:15:40 PM 6												

A three inches = one foot
 B one and one half inches = one foot
 C one inch = one foot
 D three quarters inch = one foot
 E one half inch = one foot
 F three eighths inch = one foot
 G one quarter inch = one foot
 H one eighth inch = one foot



- ### KEYED NOTES
- CONNECT NEW 3" COLD WATER (CW), 3" HOT WATER (HW) & 1 1/2" HOT WATER RETURN PIPE TO EXISTING 4" EXCW, 3" EXHW AND 1 1/2" EXHWR PIPING ABOVE CEILING AT THIS POINT IN CORRIDOR OF BASEMENT CEILING. PROVIDE WITH NEW 4" X 4" X 3" TEE FITTING FOR CW PIPE, 3" X 3" X 3" TEE FITTING FOR HW PIPE AND 1 1/2" X 1 1/2" TEE FITTING FOR HWR PIPE AND ADD NEW BALL VALVES.
 - CONNECT NEW 3" HOT WATER (HW), 2 1/2" COLD WATER (CW) & 1 1/2" HOT WATER RETURN (HWR) PIPE TO EXISTING 3" EXCW, 2 1/2" EXHW AND 1 1/2" EXHWR PIPING ABOVE CEILING AT THIS POINT. PROVIDE WITH NEW 3" X 3" 90° BEND/ELBOW FITTING FOR HW PIPE, 2 1/2" X 2 1/2" 90° BEND/ELBOW FITTING FOR CW PIPE AND 1 1/2" X 1 1/2" 90° BEND/ELBOW FITTING FOR HWR PIPE.
 - CONNECT NEW 2 1/2" COLD WATER (CW), 1 1/2" HOT WATER (HW) & 3/4" HOT WATER RETURN (HWR) PIPE TO EXISTING 2 1/2" EXCW, 1 1/2" EXHW AND 3/4" EXHWR PIPING ABOVE CEILING AT THIS POINT. PROVIDE WITH NEW 2 1/2" X 2 1/2" 90° BEND/ELBOW FITTING FOR CW PIPE AND 1 1/2" X 1 1/2" 90° BEND/ELBOW FITTING FOR HW AND 3/4" X 3/4" 90° BEND/ELBOW FITTING FOR HWR PIPE.
 - CONNECT NEW 3/4" COLD WATER (CW) 3/4" HOT WATER (HW) PIPE TO EXISTING 3/4" EXCW AND 3/4" EXHW PIPING ABOVE CEILING AT THIS POINT WITH A NEW 3/4" BALL VALVES.

1 DOMESTIC WATER RISER DIAGRAMS
 NO SCALE

WATER HAMMER ARRESTOR						
WADE SHOKTROL SIZE	#5	#10	#20	#50	#75	#100
P.D.I. UNITS	A	B	C	D	E	F
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330

CONSTRUCTION DOCUMENTS SUBMISSION
 FULLY SPRINKLERED

Revisions: Date:	CONSULTANTS: CIVIL: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900	MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900	ARCHITECT/ENGINEERS:  BES DESIGN/BUILD, LLC 766 Middle St, Fairhope, AL 36532 Phone: 251.990.5778 Fax: 251.990.3716	Drawing Title: DOMESTIC WATER RISER DIAGRAMS	Project Title: EMERGENCY DEPARTMENT MENTAL HEALTH IMPROVEMENTS	Project Number: CSI-112 Building Number: 1	CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM
				Approved: Project Director	Location: LITTLE ROCK, ARKANSAS	Date: 2015.03.06	Drawing Number: PL902

A
three inches = one foot

B
one and one half inches = one foot

C
one inch = one foot

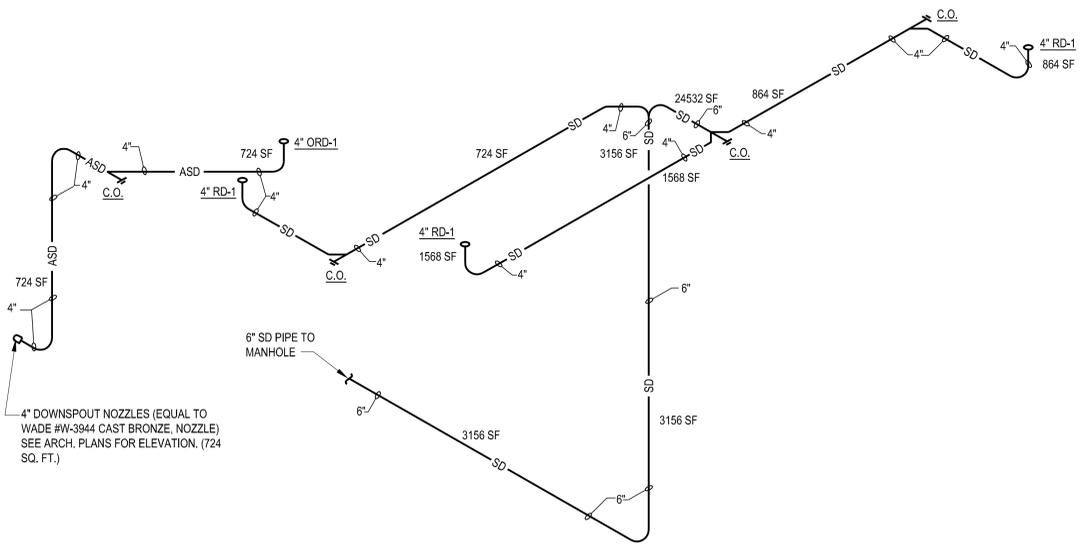
D
three quarters inch = one foot

E
one half inch = one foot

F
three eighths inch = one foot

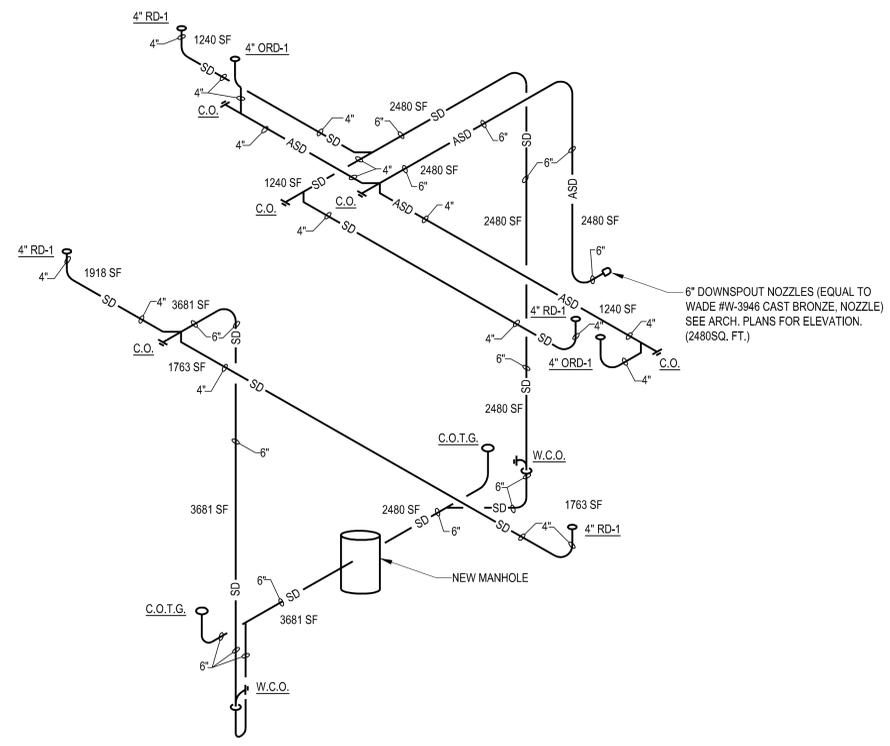
G
one quarter inch = one foot

H
one eighth inch = one foot



4" DOWNSPOUT NOZZLES (EQUAL TO WADE #W-3944 CAST BRONZE, NOZZLE) SEE ARCH. PLANS FOR ELEVATION. (724 SQ. FT.)

6" SD PIPE TO MANHOLE

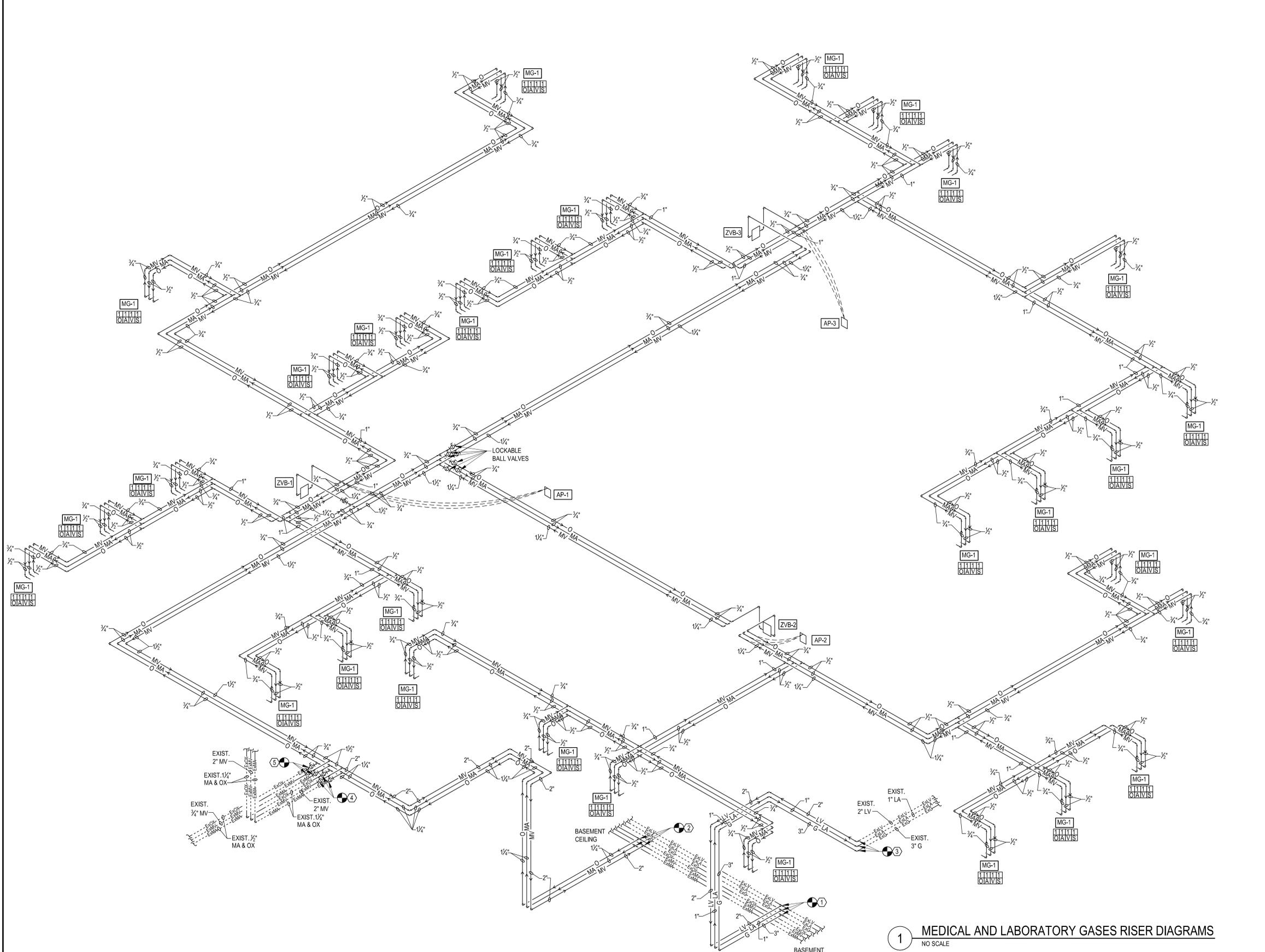
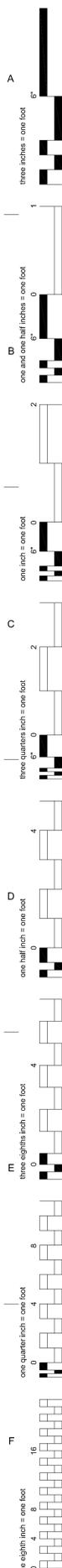


6" DOWNSPOUT NOZZLES (EQUAL TO WADE #W-3946 CAST BRONZE, NOZZLE) SEE ARCH. PLANS FOR ELEVATION. (2480SQ. FT.)

1 STORM SEWER RISER DIAGRAMS
NO SCALE

CONSTRUCTION DOCUMENTS SUBMISSION
FULLY SPRINKLERED

Revisions: Date:	CONSULTANTS: CIVIL: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900	MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900	ARCHITECT/ENGINEERS:  BES DESIGN/BUILD, LLC 766 Middle St, Fairhope, AL 36532 Phone: 251.990.5778 Fax: 251.990.3716	Drawing Title STORM SEWER RISER DIAGRAMS	Project Title EMERGENCY DEPARTMENT MENTAL HEALTH IMPROVEMENTS	Project Number CSI-112 Building Number 1	Location LITTLE ROCK, ARKANSAS	Drawing Number PL903	Date 2015.03.06	Drawn SMITH	Checked SEAY	Dwg. 90 of 127	CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM 
	Approved: Project Director			Approved: Project Director	Date 2015.03.06	Drawn SMITH	Checked SEAY	Dwg. 90 of 127	Department of Veterans Affairs				



- ### KEYED NOTES
- CONNECT NEW 3" NATURAL GAS (G), 2" LABORATORY VACUUM (LV) & 1" LABORATORY AIR (LA) PIPE TO EXISTING 3" ExG, 2" ExLV AND 1" ExLA PIPING ABOVE CEILING AT THIS POINT IN CORRIDOR OF BASEMENT CEILING. PROVIDE WITH NEW 3" X 3" TEE FITTING FOR G PIPE, 2" X 2" TEE FITTING FOR LV PIPE AND 1" X 1" TEE FITTING FOR LA PIPE AND ADD NEW BALL VALVE.
 - CONNECT NEW 2" MEDICAL VACUUM (MV), 1/2" MEDICAL AIR (MA) & 1/2" MEDICAL OXYGEN (O) PIPE TO EXISTING 2" ExMV, 1/2" ExMA AND 1/2" ExOX PIPING ABOVE CEILING AT THIS POINT IN CORRIDOR OF BASEMENT CEILING. PROVIDE WITH NEW 2" X 2" TEE FITTING FOR MV PIPE AND 1/2" X 1/2" TEE FITTINGS FOR MA AND O PIPING AND ADD LOCKABLE BALL VALVES.
 - CONNECT NEW 3" NATURAL GAS (G), 2" LABORATORY VACUUM (LV) & 1" LABORATORY AIR (LA) PIPE TO EXISTING 3" ExG, 2" ExLV AND 1" ExLA PIPING ABOVE CEILING AT THIS POINT. PROVIDE WITH NEW 3" X 3" 90° BEND/ELBOW FITTING FOR G PIPE, 2" X 2" 90° BEND/ELBOW FITTING FOR LV PIPE AND 1" X 1" 90° BEND/ELBOW FITTING FOR LA PIPE.
 - CONNECT NEW 2" MEDICAL VACUUM (MV), 1/2" MEDICAL AIR (MA) & 1/2" MEDICAL OXYGEN (O) PIPE TO EXISTING 2" ExMV, 1/2" ExMA AND 1/2" ExOX PIPING ABOVE CEILING AT THIS POINT WITH NEW 2" LOCKABLE BALL VALVE FOR MV PIPE AND NEW 1/2" LOCKABLE BALL VALVES FOR MA AND O PIPING.
 - CONNECT NEW 3/4" MEDICAL VACUUM (MV), 1/2" MEDICAL AIR (MA) & 1/2" MEDICAL OXYGEN (O) PIPE TO EXISTING 3/4" ExMV, 1/2" ExMA AND 1/2" ExOX PIPING ABOVE CEILING AT THIS POINT WITH A NEW 3/4" LOCKABLE BALL VALVE FOR MV PIPE AND NEW 1/2" LOCKABLE BALL VALVES FOR MA AND O PIPING.

MEDICAL GAS LEGEND

	NEW MEDICAL GAS EQUIPMENT
	NEW ALARM PANEL - 1
	NEW ALARM PANEL - 2
	NEW ALARM PANEL - 3
	NEW ZONE VALVE BOX - 1 (1/2" VAC, 3/4" OXY & 3/4" AIR)
	NEW ZONE VALVE BOX - 2 (1/2" VAC, 3/4" OXY & 3/4" AIR)
	NEW ZONE VALVE BOX - 3 (1/2" VAC, 3/4" OXY & 3/4" AIR)
	NEW (1) 3/4" VAC, (1) SLIDE, (1) 1/2" AIR & (1) 1/2" OXY (IN WALL)

1 MEDICAL AND LABORATORY GASES RISER DIAGRAMS
NO SCALE

CONSTRUCTION DOCUMENTS SUBMISSION
FULLY SPRINKLERED

Revisions: Date:	CONSULTANTS: CIVIL: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900	MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION: CROMWELL 101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900	ARCHITECT/ENGINEERS: BES DESIGN/BUILD, LLC 766 Middle St, Fairhope, AL 36532 Phone: 251.990.5778 Fax: 251.990.3716	Drawing Title: MEDICAL AND LABORATORY GASES RISER DIAGRAMS	Project Title: EMERGENCY DEPARTMENT MENTAL HEALTH IMPROVEMENTS	Project Number: CSI-112	Building Number: 1	Drawing Number: PL904	Date: 2015.03.06	Drawn: SMITH	Checked: SEAY	Dwg. 91 of 127	CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM
	VA FORM 08-6231 8/28/2014 2:15:40 PM	101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900	101 SOUTH SPRING STREET LITTLE ROCK, AR 72201 501.372.2900	766 Middle St, Fairhope, AL 36532 Phone: 251.990.5778 Fax: 251.990.3716	Approved: Project Director	Location: LITTLE ROCK, ARKANSAS	Date: 2015.03.06	Drawn: SMITH	Checked: SEAY	Dwg. 91 of 127	CENTRAL ARKANSAS VETERANS AFFAIRS HEALTHCARE SYSTEM 		